



December 7, 2006

STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

Tel: 916 373 5600
Fax: 916 372 1059
www.stl-inc.com

STL SACRAMENTO PROJECT NUMBER: G6K090141
PO/CONTRACT: 129682.001/Event 108

Guy Graening
Brown and Caldwell
10540 White Rock Road
Suite 180
Rancho Cordova, CA 95670

Dear Mr. Graening,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on November 8, 2006. These samples are associated with your 21243 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

A handwritten signature in black ink, appearing to read "Karen Dahl".

Karen Dahl
Project Manager

TABLE OF CONTENTS

STL SACRAMENTO PROJECT NUMBER G6K090141

Case Narrative

STL Sacramento Quality Assurance Program

Sample Description Information

Chain of Custody Documentation

AIR, 6020, Metals by ICPMS

Samples: 1, 2, 3, 4, 5

 Sample Data Sheets

 Method Blank Reports

 Laboratory QC Reports

AIR, 9056, Sulfate

Samples: 1, 2, 3, 4, 5

 Sample Data Sheets

 Method Blank Reports

 Laboratory QC Reports

AIR, PM-10

Samples: 1, 2, 3, 4

AIR, TSP

Samples: 5

 Sample Data Sheets

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6K090141

AIR, 9056, Sulfate

As discussed, the method blank contains a positive result for sulfate (0.56 mg). Any positive results for this analyte in the associated samples have been flagged with a 'B' qualifier.

There were no other anomalies associated with this project.

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C, 334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD): An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

G6K090141

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
JJACE	1	P-0790	11/6/2006 10:35 AM	11/8/2006 09:05 AM
JJACG	2	P-0791	11/6/2006 10:55 AM	11/8/2006 09:05 AM
JJACH	3	P-0793	11/6/2006 10:40 AM	11/8/2006 09:05 AM
JJACJ	4	P-0794	11/6/2006 11:35 AM	11/8/2006 09:05 AM
JJACK	5	P-0795	11/6/2006 11:30 AM	11/8/2006 09:05 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No.

G6K090141

3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

201 East Washington Street / Suite 500
Phoenix, AZ 85004
602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qtr.
PROJECT NUMBER: 121243

LABORATORY NAME & ADDRESS:

SEVERN-TRENT LABS, WEST SACRAMENTO,

Event 108

LINE NO.	SAMPLE - I.D.	COLLECTION		CONTAINER TYPE	SIZE OF MATRIX	PRESSURE	ANALYSES REQUESTED	FIELD FILTERED	REQ	SAMPLED	DEPTH (FT.) BEGIN --- END	PDI READING (ppm)
		DATE	TIME									
01	P-0790	10/30/05	10:35	1	8x10 Filter	NONE	A	PM-10, Gross Alpha, Th(228,230), Ra(226,228), Metals (Al,As,Cd,Cr,Cu,Mn,Ni), Sulfate	0.24		0.24	---
02	P-0791	10/30/05	10:55	1	8x10 Filter	NONE	A	PM-10, Gross Alpha, Th(228,230), Ra(226,228), Metals (Al,As,Cd,Cr,Cu,Mn,Ni), Sulfate	0.27		0.27	---
03	P-0793	10/30/05	10:40	1	8x10 Filter	NONE	A	PM-10, Gross Alpha, Th(228,230), Ra(226,228), Metals (Al,As,Cd,Cr,Cu,Mn,Ni), Sulfate	0.31		0.31	---
04	P-0794	11/30/05	11:35	1	8x10 Filter	NONE	A	PM-10, Gross Alpha, Th(228,230), Ra(226,228), Metals (Al,As,Cd,Cr,Cu,Mn,Ni), Sulfate	0.29		0.29	---
05	P-0795	11/30/05	11:30	1	8x10 Filter	NONE	A	TSP, Gross Alpha, Th(228,230), Ra(226,228), Metals (Al,As,Cd,Cr,Cu,Mn,Ni), Sulfate	0.25		0.25	---
06												---
07												---
08												---
09												---
10												---
COLLECTED & RELEASED BY:		DATE: 11/10/05 TIME: 16:00		COOLER I.D.:		COMMENTS (see note on back):						
RECEIVED BY:	John Belcher	DATE: 11/10/05	TIME: 16:20	REINQUISITION BY:								
COURIER:	JED	DATE: / /	TIME: :	SHEPPING NUMBER:	491162497123							
RECORD RETURNED BY:												

DISTRIBUTION: WHITE - PROJECT FILE • CANARY - LAB RECEIPT • PINK - DATA MANAGEMENT • GOLDENROD - FIELD
USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

CLIENT Brown & CaldwellPM PDLOG # 42159LOT# (QUANTIMS ID) G6K090141QUOTE# 2684LOCATION ACDATE RECEIVED 4/8/06TIME RECEIVED 0905Initials JBBDate 4/8/06

DELIVERED BY

- | | | |
|---|---|-------------------------------------|
| <input checked="" type="checkbox"/> FEDEX | <input type="checkbox"/> CA OVERNIGHT | <input type="checkbox"/> CLIENT |
| <input type="checkbox"/> AIRBORNE | <input type="checkbox"/> GOLDENSTATE | <input type="checkbox"/> DHL |
| <input type="checkbox"/> UPS | <input type="checkbox"/> BAX GLOBAL | <input type="checkbox"/> GO-GETTERS |
| <input type="checkbox"/> STL COURIER | <input type="checkbox"/> COURIERS ON DEMAND | |
| <input type="checkbox"/> OTHER | | |

CUSTODY SEAL STATUS INTACT BROKEN N/ACUSTODY SEAL #(S) N/ASHIPPING CONTAINER(S) STL CLIENT N/ATEMPERATURE RECORD (IN °C) IR 1 3 OTHER N/ACOC #(S) N/ATEMPERATURE BLANK Observed: N/A Corrected: N/A

SAMPLE TEMPERATURE

Observed: Ambient Average: Ambient Corrected Average: AmbientCOLLECTOR'S NAME: Verified from COC Not on COCpH MEASURED YES ANOMALY N/A

LABELED BY.....

LABELS CHECKED BY.....

PEER REVIEW N/A

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/AVOA-ENCORES N/A METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A Clouseau TEMPERATURE EXCEEDED (2 °C – 6 °C)* N/A WET ICE BLUE ICE GEL PACK NO COOLING AGENTS USED PM NOTIFIED

Notes: _____

Lot
ID:

G6K090141

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
"CT																				
Encore																				
Folder/filter	((\	\	\															
PUF																				
Petri/Filter																				
XAD Trap																				
Ziploc																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

h = hydrochloric acid

s = sulfuric acid

na = sodium hydroxide

n = nitric acid

zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOAs

QA-185 3/05 EM

Page 2

AIR, 6020, Metals

Brown and Caldwell

Client Sample ID: P-0790

TOTAL Metals

Lot-Sample #...: G6K090141-001

Matrix.....: AIR

Date Sampled...: 11/06/06

Date Received..: 11/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6326120						
Aluminum	291	240	ug	SW846 6020 Dilution Factor: 1	MDL.....: 120 11/22/06	JJACE1AC
Arsenic	ND	2.9	ug	SW846 6020 Dilution Factor: 1	MDL.....: 0.89 11/22-11/27/06	JJACE1AD
Cadmium	0.055 B	1.2	ug	SW846 6020 Dilution Factor: 1	MDL.....: 0.028 11/22/06	JJACE1AE
Cobalt	ND	2.4	ug	SW846 6020 Dilution Factor: 1	MDL.....: 2.3 11/22/06	JJACE1AF
Chromium	ND	2.9	ug	SW846 6020 Dilution Factor: 1	MDL.....: 2.3 11/22/06	JJACE1AG
Copper	12.3	6.0	ug	SW846 6020 Dilution Factor: 1	MDL.....: 1.3 11/22/06	JJACE1AH
Manganese	10.7	6.0	ug	SW846 6020 Dilution Factor: 1	MDL.....: 2.0 11/22/06	JJACE1AJ
Nickel	ND	6.0	ug	SW846 6020 Dilution Factor: 1	MDL.....: 1.2 11/22/06	JJACE1AK

NOTE(S) :

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0791

TOTAL Metals

Lot-Sample #....: G6K090141-002 Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received..: 11/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 6326120						
Aluminum	303	240	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 120 11/22/06	JJACG1AC
Arsenic	ND	2.9	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 0.89 11/22-11/27/06	JJACG1AD
Cadmium	0.068 B	1.2	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 0.028 11/22/06	JJACG1AE
Cobalt	ND	2.4	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 2.3 11/22/06	JJACG1AF
Chromium	ND	2.9	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 2.3 11/22/06	JJACG1AG
Copper	14.0	6.0	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 1.3 11/22/06	JJACG1AH
Manganese	13.8	6.0	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 2.0 11/22/06	JJACG1AJ
Nickel	12.0	6.0	ug	SW846 6020 Dilution Factor: 1.	MDL.....: 1.2 11/22/06	JJACG1AK

NOTE(S) :

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0793

TOTAL Metals

Lot-Sample #...: G6K090141-003

Matrix.....: AIR

Date Sampled...: 11/06/06

Date Received..: 11/08/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6326120						
Aluminum	268	240	ug	SW846 6020 Dilution Factor: 1	MDL.....: 120 11/22/06	JJACH1AC
Arsenic	ND	2.9	ug	SW846 6020 Dilution Factor: 1	MDL.....: 0.89 11/22-11/27/06	JJACH1AD
Cadmium	0.060 B	1.2	ug	SW846 6020 Dilution Factor: 1	MDL.....: 0.028 11/22/06	JJACH1AE
Cobalt	ND	2.4	ug	SW846 6020 Dilution Factor: 1	MDL.....: 2.3 11/22/06	JJACH1AF
Chromium	ND	2.9	ug	SW846 6020 Dilution Factor: 1	MDL.....: 2.3 11/22/06	JJACH1AG
Copper	13.9	6.0	ug	SW846 6020 Dilution Factor: 1	MDL.....: 1.3 11/22/06	JJACH1AH
Manganese	12.1	6.0	ug	SW846 6020 Dilution Factor: 1	MDL.....: 2.0 11/22/06	JJACH1AJ
Nickel	4.1 B	6.0	ug	SW846 6020 Dilution Factor: 1	MDL.....: 1.2 11/22/06	JJACH1AK

NOTE(S) :

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0794

TOTAL Metals

Lot-Sample #....: G6K090141-004

Matrix.....: AIR

Date Sampled....: 11/06/06

Date Received..: 11/08/06

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #....: 6326120							
Aluminum	ND	240	ug	SW846 6020		11/22/06	JJACJ1AC
		Dilution Factor: 1		MDL.....	: 120		
Arsenic	ND	2.9	ug	SW846 6020		11/22-11/27/06	JJACJ1AD
		Dilution Factor: 1		MDL.....	: 0.89		
Cadmium	ND	1.2	ug	SW846 6020		11/22/06	JJACJ1AE
		Dilution Factor: 1		MDL.....	: 0.028		
Cobalt	ND	2.4	ug	SW846 6020		11/22/06	JJACJ1AF
		Dilution Factor: 1		MDL.....	: 2.3		
Chromium	ND	2.9	ug	SW846 6020		11/22/06	JJACJ1AG
		Dilution Factor: 1		MDL.....	: 2.3		
Copper	1.4 B	6.0	ug	SW846 6020		11/22/06	JJACJ1AH
		Dilution Factor: 1		MDL.....	: 1.3		
Manganese	ND	6.0	ug	SW846 6020		11/22/06	JJACJ1AJ
		Dilution Factor: 1		MDL.....	: 2.0		
Nickel	1.3 B	6.0	ug	SW846 6020		11/22/06	JJACJ1AK
		Dilution Factor: 1		MDL.....	: 1.2		

NOTE(S) :

B Estimated result. Result is less than RL.

Brown and Caldwell

Client Sample ID: P-0795

TOTAL Metals

Lot-Sample #....: G6K090141-005
Date Sampled...: 11/06/06 Date Received..: 11/08/06 Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 6326120						
Aluminum	1130	240	ug	SW846 6020 Dilution Factor: 1 MDL.....: 120	11/22/06	JJACK1AC
Arsenic	1.1 B	2.9	ug	SW846 6020 Dilution Factor: 1 MDL.....: 0.89	11/22-11/27/06	JJACK1AD
Cadmium	0.13 B	1.2	ug	SW846 6020 Dilution Factor: 1 MDL.....: 0.028	11/22/06	JJACK1AE
Cobalt	2.8	2.4	ug	SW846 6020 Dilution Factor: 1 MDL.....: 2.3	11/22/06	JJACK1AF
Chromium	2.3 B	2.9	ug	SW846 6020 Dilution Factor: 1 MDL.....: 2.3	11/22/06	JJACK1AG
Copper	75.6	6.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 1.3	11/22/06	JJACK1AH
Manganese	40.3	6.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 2.0	11/22/06	JJACK1AJ
Nickel	2.6 B	6.0	ug	SW846 6020 Dilution Factor: 1 MDL.....: 1.2	11/22/06	JJACK1AK

NOTE(S) :

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

G6K090141

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	SW846 6020		6326120	
002	AIR	SW846 6020		6326120	
003	AIR	SW846 6020		6326120	
004	AIR	SW846 6020		6326120	
005	AIR	SW846 6020		6326120	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: G6K090141

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>			<u>ANALYSIS DATE</u>	<u>ORDER #</u>
MB Lot-Sample #: G6K220000-120 Prep Batch #....: 6326120							
Aluminum	ND	240	ug		SW846 6020	11/22/06	JJ71F1AA
		Dilution Factor: 1					
Arsenic	ND	2.9	ug		SW846 6020	11/22-11/27/06	JJ71F1AC
		Dilution Factor: 1					
Cadmium	ND	1.2	ug		SW846 6020	11/22/06	JJ71F1AD
		Dilution Factor: 1					
Chromium	ND	2.9	ug		SW846 6020	11/22/06	JJ71F1AF
		Dilution Factor: 1					
Cobalt	ND	2.4	ug		SW846 6020	11/22/06	JJ71F1AE
		Dilution Factor: 1					
Copper	ND	6.0	ug		SW846 6020	11/22/06	JJ71F1AG
		Dilution Factor: 1					
Manganese	ND	6.0	ug		SW846 6020	11/22/06	JJ71F1AH
		Dilution Factor: 1					
Nickel	ND	6.0	ug		SW846 6020	11/22/06	JJ71F1AJ
		Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #....: G6K090141

Matrix.....: AIR

PARAMETER	SPIKE	MEASURED		PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD	ANALYSIS DATE		BATCH #	
Aluminum	1200	1050	ug	87		SW846 6020		11/22/06	6326120
	1200	1040	ug	87	0.74	SW846 6020		11/22/06	6326120
Dilution Factor: 1									
Arsenic	240	214	ug	89		SW846 6020		11/22-11/27/06	6326120
	240	225	ug	94	5.4	SW846 6020		11/22-11/27/06	6326120
Dilution Factor: 1									
Cadmium	240	212	ug	88		SW846 6020		11/22/06	6326120
	240	211	ug	88	0.36	SW846 6020		11/22/06	6326120
Dilution Factor: 1									
Chromium	240	216	ug	90		SW846 6020		11/22/06	6326120
	240	215	ug	90	0.29	SW846 6020		11/22/06	6326120
Dilution Factor: 1									
Cobalt	240	217	ug	90		SW846 6020		11/22/06	6326120
	240	216	ug	90	0.52	SW846 6020		11/22/06	6326120
Dilution Factor: 1									
Copper	240	221	ug	92		SW846 6020		11/22/06	6326120
	240	217	ug	90	1.8	SW846 6020		11/22/06	6326120
Dilution Factor: 1									
Manganese	240	225	ug	94		SW846 6020		11/22/06	6326120
	240	221	ug	92	1.7	SW846 6020		11/22/06	6326120
Dilution Factor: 1									
Nickel	240	217	ug	91		SW846 6020		11/22/06	6326120
	240	214	ug	89	1.5	SW846 6020		11/22/06	6326120
Dilution Factor: 1									

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #....: G6K090141

Matrix.....: AIR

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>PREP-BATCH #</u>
Aluminum	87	(75 - 125)			SW846 6020	11/22/06	6326120
	87	(75 - 125)	0.74	(0-20)	SW846 6020	11/22/06	6326120
				Dilution Factor: 1			
Arsenic	89	(75 - 125)			SW846 6020	11/22-11/27/06	6326120
	94	(75 - 125)	5.4	(0-20)	SW846 6020	11/22-11/27/06	6326120
				Dilution Factor: 1			
Cadmium	88	(75 - 125)			SW846 6020	11/22/06	6326120
	88	(75 - 125)	0.36	(0-20)	SW846 6020	11/22/06	6326120
				Dilution Factor: 1			
Chromium	90	(75 - 125)			SW846 6020	11/22/06	6326120
	90	(75 - 125)	0.29	(0-20)	SW846 6020	11/22/06	6326120
				Dilution Factor: 1			
Cobalt	90	(75 - 125)			SW846 6020	11/22/06	6326120
	90	(75 - 125)	0.52	(0-20)	SW846 6020	11/22/06	6326120
				Dilution Factor: 1			
Copper	92	(75 - 125)			SW846 6020	11/22/06	6326120
	90	(75 - 125)	1.8	(0-20)	SW846 6020	11/22/06	6326120
				Dilution Factor: 1			
Manganese	94	(75 - 125)			SW846 6020	11/22/06	6326120
	92	(75 - 125)	1.7	(0-20)	SW846 6020	11/22/06	6326120
				Dilution Factor: 1			
Nickel	91	(75 - 125)			SW846 6020	11/22/06	6326120
	89	(75 - 125)	1.5	(0-20)	SW846 6020	11/22/06	6326120
				Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

AIR, 9056, Sulfate

Brown and Caldwell

Client Sample ID: P-0790

General Chemistry

Lot-Sample #....: G6K090141-001 Work Order #....: JJACE Matrix.....: AIR
Date Sampled....: 11/06/06 Date Received...: 11/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Sulfate	1.1 J	0.48	mg	SW846 9056	11/22/06	6331180
		Dilution Factor: 12			MDL.....: 0.048	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0791

General Chemistry

Lot-Sample #....: G6K090141-002 Work Order #....: JJACG Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received...: 11/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Sulfate	1.2 J	0.48	mg	SW846 9056	11/22/06	6331180
		Dilution Factor: 12		MDL.....: 0.048		

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0793

General Chemistry

Lot-Sample #....: G6K090141-003 Work Order #....: JJACH Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received...: 11/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Sulfate	1.2 J	0.48	mg	SW846 9056	11/22/06	6331180
		Dilution Factor: 12		MDL.....:	0.048	

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0794

General Chemistry

Lot-Sample #....: G6K090141-004 Work Order #....: JJACJ Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received...: 11/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Sulfate	0.11 B,J	0.48	mg	SW846 9056	11/22/06	6331180
		Dilution Factor: 12		MDL.....: 0.048		

NOTE(S) :

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0795

General Chemistry

Lot-Sample #....: G6K090141-005 Work Order #....: JJACK Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received..: 11/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Sulfate	1.8 J	0.48	mg	SW846 9056	11/22/06	6331180
		Dilution Factor: 12		MDL.....: 0.048		

NOTE(S) :

RL Reporting Limit

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

G6K090141

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	SW846 9056		6331180	
	AIR	CFR50J APDX J		6320637	
	AIR	SW846 6020		6326120	
002	AIR	SW846 9056		6331180	
	AIR	CFR50J APDX J		6320637	
	AIR	SW846 6020		6326120	
003	AIR	SW846 9056		6331180	
	AIR	CFR50J APDX J		6320637	
	AIR	SW846 6020		6326120	
004	AIR	SW846 9056		6331180	
	AIR	CFR50J APDX J		6320637	
	AIR	SW846 6020		6326120	
005	AIR	CFR50B APDX B		6320641	
	AIR	SW846 9056		6331180	
	AIR	SW846 6020		6326120	

METHOD BLANK REPORT

General Chemistry

Client Lot #...: G6K090141

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	PREP
		LIMIT	UNITS				
Sulfate	0.56	Work Order #: JKC3P1AA	mg	MB Lot-Sample #: G6K270000-180	SW846 9056	11/22-11/23/06	6331180
		Dilution Factor: 12					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #....: G6K090141

Matrix.....: AIR

PARAMETER	SPIKE	MEASURED		PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD				
Sulfate				WO#: JKC3P1AC-LCS/JKC3P1AD-LCSD	LCS	Lot-Sample#:	G6K270000-180		
	4.80	4.84	mg	101	SW846	9056	11/22-11/23/06	6331180	
	4.80	4.86	mg	101	0.41	SW846	9056	11/22-11/23/06	6331180
	Dilution Factor: 1								

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #....: G6K090141

Matrix.....: AIR

PARAMETER	PERCENT	RECOVERY	RPD	METHOD	PREPARATION-	PREP	ANALYSIS DATE	BATCH #
	RECOVERY	LIMITS	RPD		LIMITS			
Sulfate				WO#:JKC3P1AC-LCS/JKC3P1AD-LCSD	LCS	Lot-Sample#:	G6K270000-180	
	101	(85 - 115)		SW846 9056		11/22-11/23/06	6331180	
	101	(85 - 115)	0.41 (0-15)	SW846 9056		11/22-11/23/06	6331180	
				Dilution Factor: 1				

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

AIR, PM-10 & TSP

Brown and Caldwell

Client Sample ID: P-0790

General Chemistry

Lot-Sample #....: G6K090141-001 Work Order #....: JJACE Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received..: 11/08/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM10	0.0190	0.0001	g	CFR50J APDX J	11/15-11/16/06	6320637

Brown and Caldwell

Client Sample ID: P-0791

General Chemistry

Lot-Sample #....: G6K090141-002 Work Order #....: JJACG Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received..: 11/08/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM10	0.0231	0.0001	g	CFR50J APDX J	11/15-11/16/06	6320637

Brown and Caldwell

Client Sample ID: P-0793

General Chemistry

Lot-Sample #....: G6K090141-003 Work Order #....: JJACH Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received..: 11/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0210	0.0001	g	CFR50J APDX J	11/15-11/16/06	6320637

Brown and Caldwell

Client Sample ID: P-0794

General Chemistry

Lot-Sample #....: G6K090141-004 Work Order #....: JJACJ Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received..: 11/08/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	ND	0.0001	g	CFR50J APDX J	11/15-11/16/06	6320637

Brown and Caldwell

Client Sample ID: P-0795

General Chemistry

Lot-Sample #....: G6K090141-005 Work Order #....: JJACK Matrix.....: AIR
Date Sampled...: 11/06/06 Date Received..: 11/08/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Total Suspended Particulates	0.0658	0.0001	g	CFR50B APDX B	11/15-11/16/06	6320641

AIR, 6020, Metals

Raw Data Package

ICPMS

SEVERN
TRENT

STL

STL Sacramento
ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): M01 M02		Method 6020 SOP SAC-MT-0001																																						
File Number <u>061122b1</u>	Batch Numbers <u>G6K020146, G6K020151, G6K090141, G6K140165, G6K210170, G6K210173, G6K210178, G6J250274, G6K060161, G6J200219, G6J230134, G6J260249, G6J300165, G6J280108, G6J010273, G6K G6K100129</u>	Date <u>11/22/06</u>	Analyst <u>BEV</u>																																					
Lot Numbers <u>G6K020146, G6K020151, G6K090141, G6K140165, G6K210170, G6K210173, G6K210178, G6J250274, G6K060161, G6J200219, G6J230134, G6J260249, G6J300165, G6J280108, G6J010273, G6K G6K100129</u>		YES	NO	NA																																				
<p><i>11/27/06</i></p> <table border="1"> <tr> <td>1. Copy of analysis protocol used included?</td> <td>X</td> <td></td> </tr> <tr> <td>2. ICVs & CCVs within 10% of true value or recal and rerun?</td> <td>X</td> <td></td> </tr> <tr> <td>3. ICB & CCBs < reporting limit or recal and rerun?</td> <td>X</td> <td></td> </tr> <tr> <td>4. 10 samples or less analyzed between calibration checks?</td> <td>X</td> <td></td> </tr> <tr> <td>5. All parameters within linear range?</td> <td>X</td> <td></td> </tr> <tr> <td>6. LCS/LCSD within limits?</td> <td>X</td> <td></td> </tr> <tr> <td>7. Prep blank value < reporting limit or all samples >20x blank?</td> <td>X</td> <td></td> </tr> <tr> <td>8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?</td> <td>X</td> <td></td> </tr> <tr> <td>9. Appropriate dilution factors applied to data?</td> <td>X</td> <td></td> </tr> <tr> <td>10. Matrix spike and spike dup within customer defined limits?</td> <td></td> <td>X</td> </tr> <tr> <td>11. Each batch checked for presence of internal standard in samples?</td> <td>X</td> <td></td> </tr> <tr> <td>12. Anomalies entered using Clouseau?</td> <td></td> <td>X</td> </tr> </table>					1. Copy of analysis protocol used included?	X		2. ICVs & CCVs within 10% of true value or recal and rerun?	X		3. ICB & CCBs < reporting limit or recal and rerun?	X		4. 10 samples or less analyzed between calibration checks?	X		5. All parameters within linear range?	X		6. LCS/LCSD within limits?	X		7. Prep blank value < reporting limit or all samples >20x blank?	X		8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	X		9. Appropriate dilution factors applied to data?	X		10. Matrix spike and spike dup within customer defined limits?		X	11. Each batch checked for presence of internal standard in samples?	X		12. Anomalies entered using Clouseau?		X
1. Copy of analysis protocol used included?	X																																							
2. ICVs & CCVs within 10% of true value or recal and rerun?	X																																							
3. ICB & CCBs < reporting limit or recal and rerun?	X																																							
4. 10 samples or less analyzed between calibration checks?	X																																							
5. All parameters within linear range?	X																																							
6. LCS/LCSD within limits?	X																																							
7. Prep blank value < reporting limit or all samples >20x blank?	X																																							
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	X																																							
9. Appropriate dilution factors applied to data?	X																																							
10. Matrix spike and spike dup within customer defined limits?		X																																						
11. Each batch checked for presence of internal standard in samples?	X																																							
12. Anomalies entered using Clouseau?		X																																						

COMMENTS: seen As G6K020146, G6K020151, G6K090141
G6K140165

REVIEWED BY:

WTZ

DATE:

11/28/06

DATA ENTERED BY:

BEVDATE: 11/27/06

Dataset Report

Perkin Elmer ICPMS M01

User Name: JonesB

Computer Name: SACP317A

Dataset File Path: c:\elandata\dataset\061122b1\

Report Date/Time: Thursday, November 23, 2006 12:14:42

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	Rinse	17:40:43 Wed 22-Nov-06	Sample	
	Blank	17:44:50 Wed 22-Nov-06	Blank	
	Standard 1	17:48:52 Wed 22-Nov-06	Standard #1	
	ICV	17:52:32 Wed 22-Nov-06	Sample	
	ICB	17:56:18 Wed 22-Nov-06	Sample	
	LLSTD 10X	18:00:08 Wed 22-Nov-06	Sample	> As out
	LLSTD 5X	18:03:22 Wed 22-Nov-06	Sample	
	ICSA	18:09:25 Wed 22-Nov-06	Sample	
	ICSAB	18:13:08 Wed 22-Nov-06	Sample	
	Rinse	18:17:14 Wed 22-Nov-06	Sample	
RECAL	CCV 1	18:21:01 Wed 22-Nov-06	Sample	
	CCB 1	18:24:48 Wed 22-Nov-06	Sample	
	CCV 2	18:28:34 Wed 22-Nov-06	Sample	
	CCB 2	18:32:20 Wed 22-Nov-06	Sample	
	LLSTD 5X	18:37:32 Wed 22-Nov-06	Sample	
6321133	JJXAJC	18:41:56 Wed 22-Nov-06	Sample	G6K170000-133 LCS
6321133	JJXAjl	18:45:37 Wed 22-Nov-06	Sample	G6K170000-133 LCSD
6326120	JJ71FC	18:49:19 Wed 22-Nov-06	Sample	G6K220000-120 LCS
6326120	JJ71FL	18:53:01 Wed 22-Nov-06	Sample	G6K220000-120 LCSD
	Rinse	18:56:47 Wed 22-Nov-06	Sample	
6321133	JJXAJB	19:00:32 Wed 22-Nov-06	Sample	G6K170000-133 BLK
6321133	MB CONTROL	19:04:22 Wed 22-Nov-06	Sample	
6326120	JJ71FB	19:07:31 Wed 22-Nov-06	Sample	G6K220000-120 BLK
6326120	MB CONTROL	19:11:21 Wed 22-Nov-06	Sample	
	CCV 3	19:14:32 Wed 22-Nov-06	Sample	
	CCB 3	19:18:18 Wed 22-Nov-06	Sample	
	CCV 4	19:22:05 Wed 22-Nov-06	Sample	
	CCB 4	19:25:51 Wed 22-Nov-06	Sample	
6321133	JHQ8V	19:29:36 Wed 22-Nov-06	Sample	G6K020146-1
6321133	JHQ8VP5	19:33:18 Wed 22-Nov-06	Sample	G6K020146-1 5X
6321133	JHQ8VZ	19:37:01 Wed 22-Nov-06	Sample	G6K020146-1 PS
6321133	JHQ88	19:40:44 Wed 22-Nov-06	Sample	G6K020146-2
6321133	JHQ9A	19:44:27 Wed 22-Nov-06	Sample	G6K020146-3
6321133	JHQ9F	19:48:11 Wed 22-Nov-06	Sample	G6K020146-4
6321133	JHQ9H	19:51:55 Wed 22-Nov-06	Sample	G6K020146-5
6321133	JHRA M	19:55:40 Wed 22-Nov-06	Sample	G6K020151-1
6321133	JHRA X	19:59:25 Wed 22-Nov-06	Sample	G6K020151-2
6321133	JHRA2	20:03:09 Wed 22-Nov-06	Sample	G6K020151-3
	CCV 5	20:06:55 Wed 22-Nov-06	Sample	
	CCB 5	20:10:42 Wed 22-Nov-06	Sample	
	CCV 6	20:14:28 Wed 22-Nov-06	Sample	
	CCB 6	20:18:14 Wed 22-Nov-06	Sample	
6321133	JHRA4	20:22:01 Wed 22-Nov-06	Sample	G6K020151-4
6326120	JJACE	20:25:47 Wed 22-Nov-06	Sample	G6K090141-1
6326120	JJACEP5	20:29:34 Wed 22-Nov-06	Sample	G6K090141-1 5X
6326120	JJACEZ	20:33:21 Wed 22-Nov-06	Sample	G6K090141-1 PS
6326120	JJACG	20:37:08 Wed 22-Nov-06	Sample	G6K090141-2
6326120	JJACH	20:40:56 Wed 22-Nov-06	Sample	G6K090141-3
6326120	JJACJ	20:44:44 Wed 22-Nov-06	Sample	G6K090141-4
6326120	JJACK	20:48:33 Wed 22-Nov-06	Sample	G6K090141-5

6326120	JJMHA	20:52:22 Wed 22-Nov-06	Sample	G6K140165-1
6326120	JJMHE	20:56:07 Wed 22-Nov-06	Sample	G6K140165-2
	CCV 7	20:59:51 Wed 22-Nov-06	Sample	
	CCB 7	21:03:38 Wed 22-Nov-06	Sample	
	CCV 8	21:07:24 Wed 22-Nov-06	Sample	
	CCB 8	21:11:10 Wed 22-Nov-06	Sample	
6326120	JJMHF	21:14:55 Wed 22-Nov-06	Sample	G6K140165-3
	LLSTD 10X	21:18:43 Wed 22-Nov-06	Sample	
	LLSTD 5X	21:21:56 Wed 22-Nov-06	Sample	
	ICSA	21:28:42 Wed 22-Nov-06	Sample	
	ICSAB	21:32:24 Wed 22-Nov-06	Sample	
	ICSAB	21:37:59 Wed 22-Nov-06	Sample	
	Rinse	21:41:44 Wed 22-Nov-06	Sample	
	CCV 9	21:45:31 Wed 22-Nov-06	Sample	
	CCB 9	21:49:17 Wed 22-Nov-06	Sample	
	CCV 10	22:13:34 Wed 22-Nov-06	Sample	
	CCB 10	22:17:05 Wed 22-Nov-06	Sample	
6326122	JJ71HC	22:20:34 Wed 22-Nov-06	Sample	G6K220000-122 LCS
6326122	JJ71HL	22:24:02 Wed 22-Nov-06	Sample	G6K220000-122 LCSD
	Rinse	22:27:32 Wed 22-Nov-06	Sample	
6326122	JJ71HB	22:31:03 Wed 22-Nov-06	Sample	G6K220000-122 BLK
6326122	JJ547	22:34:31 Wed 22-Nov-06	Sample	G6K210170-1
6326122	JJ547P5	22:37:59 Wed 22-Nov-06	Sample	G6K210170-1
6326122	JJ547X	22:41:40 Wed 22-Nov-06	Sample	G6K210170-1 DU
6326122	JJ547Z	22:45:08 Wed 22-Nov-06	Sample	G6K210170-1
6326122	JJ55E	22:48:36 Wed 22-Nov-06	Sample	G6K210170-2
6326122	JJ55F	22:52:06 Wed 22-Nov-06	Sample	G6K210170-3
	CCV 11	22:55:35 Wed 22-Nov-06	Sample	
	CCB 11	22:59:06 Wed 22-Nov-06	Sample	
	CCV 12	23:02:37 Wed 22-Nov-06	Sample	
	CCB 12	23:06:07 Wed 22-Nov-06	Sample	
6326122	JJ55G	23:09:38 Wed 22-Nov-06	Sample	G6K210170-4
6326122	JJ55H	23:13:07 Wed 22-Nov-06	Sample	G6K210170-5
6326122	JJ55J	23:16:38 Wed 22-Nov-06	Sample	G6K210170-6
6326122	JJ55K	23:20:08 Wed 22-Nov-06	Sample	G6K210170-7
6326122	JJ55L	23:23:39 Wed 22-Nov-06	Sample	G6K210170-8
6326122	JJ55M	23:27:10 Wed 22-Nov-06	Sample	G6K210170-9
6326122	JJ55P	23:30:42 Wed 22-Nov-06	Sample	G6K210170-10
6326122	JJ55Q	23:34:14 Wed 22-Nov-06	Sample	G6K210170-11
6326122	JJ55R	23:37:46 Wed 22-Nov-06	Sample	G6K210170-12
6326122	JJ558	23:41:19 Wed 22-Nov-06	Sample	G6K210173-1
	CCV 13	23:44:51 Wed 22-Nov-06	Sample	
	CCB 13	23:48:22 Wed 22-Nov-06	Sample	
	CCV 14	23:51:53 Wed 22-Nov-06	Sample	
	CCB 14	23:55:24 Wed 22-Nov-06	Sample	
6326122	JJ559	23:58:52 Wed 22-Nov-06	Sample	G6K210173-2
6326122	JJ56A	00:02:18 Thu 23-Nov-06	Sample	G6K210173-3
6326122	JJ56C	00:05:44 Thu 23-Nov-06	Sample	G6K210173-4
6326122	JJ56D	00:09:11 Thu 23-Nov-06	Sample	G6K210173-5
6326122	JJ56E	00:12:38 Thu 23-Nov-06	Sample	G6K210173-6
6326122	JJ56F	00:16:06 Thu 23-Nov-06	Sample	G6K210173-7
6326127	JJ71QC	00:19:34 Thu 23-Nov-06	Sample	G6K220000-127 LCS
6326127	JJ71QL	00:23:02 Thu 23-Nov-06	Sample	G6K220000-127 LCSD
	Rinse	00:26:33 Thu 23-Nov-06	Sample	
6326127	JJ71QB	00:30:04 Thu 23-Nov-06	Sample	G6K220000-127 BLK
	CCV 15	00:33:34 Thu 23-Nov-06	Sample	
	CCB 15	00:37:05 Thu 23-Nov-06	Sample	
	CCV 16	00:40:36 Thu 23-Nov-06	Sample	
	CCB 16	00:44:07 Thu 23-Nov-06	Sample	
6326127	JJ560	00:47:36 Thu 23-Nov-06	Sample	G6K210178-1

6326127	JJ560P5	00:51:07 Thu 23-Nov-06	Sample	G6K210178-1 5X
6326127	JJ560X	00:54:36 Thu 23-Nov-06	Sample	G6K210178-1 DU
6326127	JJ560Z	00:58:05 Thu 23-Nov-06	Sample	G6K210178-1 PS
6326127	JJ563	01:01:35 Thu 23-Nov-06	Sample	G6K210178-2
6326127	JJ564	01:05:05 Thu 23-Nov-06	Sample	G6K210178-3
6326127	JJ566	01:08:35 Thu 23-Nov-06	Sample	G6K210178-4
6326127	JJ567	01:12:06 Thu 23-Nov-06	Sample	G6K210178-5
6326127	JJ569	01:15:37 Thu 23-Nov-06	Sample	G6K210178-6
6326127	JJ57A	01:19:09 Thu 23-Nov-06	Sample	G6K210178-7
<i>RECAL</i> ↙				
	CCV 17	01:22:40 Thu 23-Nov-06	Sample	
	CCB 17	01:26:11 Thu 23-Nov-06	Sample	
	CCV 18	01:29:42 Thu 23-Nov-06	Sample	
	CCB 18	01:33:12 Thu 23-Nov-06	Sample	
6326127	JJ57C	01:36:44 Thu 23-Nov-06	Sample	G6K210178-8
6326127	JJ57D	01:40:16 Thu 23-Nov-06	Sample	G6K210178-9
6326127	JJ57E	01:43:49 Thu 23-Nov-06	Sample	G6K210178-10
6326127	JJ57F	01:47:19 Thu 23-Nov-06	Sample	G6K210178-11
6326127	JJ57G	01:50:45 Thu 23-Nov-06	Sample	G6K210178-12
6326127	JJ57H	01:54:11 Thu 23-Nov-06	Sample	G6K210178-13
6326127	JJ56G	01:57:38 Thu 23-Nov-06	Sample	G6K210173-8
6326127	JJ56H	02:01:06 Thu 23-Nov-06	Sample	G6K210173-9
6326127	JJ56J	02:04:34 Thu 23-Nov-06	Sample	G6K210173-10
6326127	JJ56K	02:08:02 Thu 23-Nov-06	Sample	G6K210173-11
	CCV 19	02:11:33 Thu 23-Nov-06	Sample	
	CCB 19	02:15:06 Thu 23-Nov-06	Sample	
	CCV 20	02:18:40 Thu 23-Nov-06	Sample	
	CCB 20	02:22:14 Thu 23-Nov-06	Sample	
6326127	JJ56L	02:25:45 Thu 23-Nov-06	Sample	G6K210173-12
6326127	JJ56M	02:29:14 Thu 23-Nov-06	Sample	G6K210173-13
6321081	JJW8JC	02:32:43 Thu 23-Nov-06	Sample	G6K170000-81 LCS
6321081	JJW8JL	02:36:12 Thu 23-Nov-06	Sample	G6K170000-81 LCSD
	Rinse	02:39:43 Thu 23-Nov-06	Sample	
6321081	JJW8JB	02:43:15 Thu 23-Nov-06	Sample	G6K170000-81 BLK
6321081	JG77J	02:46:45 Thu 23-Nov-06	Sample	G6J250276-1
6321081	JG77JP5	02:50:17 Thu 23-Nov-06	Sample	G6J250276-1 5X
6321081	JG77JZ	02:53:48 Thu 23-Nov-06	Sample	G6J250276-1 PS
6321081	JG77L	02:57:18 Thu 23-Nov-06	Sample	G6J250276-2
	CCV 21	03:00:50 Thu 23-Nov-06	Sample	
	CCB 21	03:04:24 Thu 23-Nov-06	Sample	
	CCV 22	03:07:58 Thu 23-Nov-06	Sample	
	CCB 22	03:11:31 Thu 23-Nov-06	Sample	
6321081	JG77M	03:15:04 Thu 23-Nov-06	Sample	G6J250276-3
6321081	JG77Q	03:18:35 Thu 23-Nov-06	Sample	G6J250276-4
6321081	JG77T	03:22:07 Thu 23-Nov-06	Sample	G6J250276-5
6321081	JG77V	03:25:39 Thu 23-Nov-06	Sample	G6J250276-6
6321081	JG77X	03:29:08 Thu 23-Nov-06	Sample	G6J250276-7
6321081	JG772	03:32:34 Thu 23-Nov-06	Sample	G6J250276-8
6321081	JH244	03:36:00 Thu 23-Nov-06	Sample	G6K060161-1
6321081	JH249	03:39:26 Thu 23-Nov-06	Sample	G6K060161-2
6321081	JH25C	03:42:53 Thu 23-Nov-06	Sample	G6K060161-3
6321081	JH25D	03:46:20 Thu 23-Nov-06	Sample	G6K060161-4
<i>RECAL</i> ↙				
	CCV 23	03:49:50 Thu 23-Nov-06	Sample	<i>Zn out</i>
	CCB 23	03:53:24 Thu 23-Nov-06	Sample	
	CCV 24	03:56:57 Thu 23-Nov-06	Sample	
	CCB 24	04:00:31 Thu 23-Nov-06	Sample	
6321081	JH25J	04:04:02 Thu 23-Nov-06	Sample	G6K060161-5
6321081	JH25K	04:07:30 Thu 23-Nov-06	Sample	G6K060161-6
6321081	JH25L	04:10:58 Thu 23-Nov-06	Sample	G6K060161-7
6321081	JH25N	04:14:27 Thu 23-Nov-06	Sample	G6K060161-8
6317241	JKE8C	04:17:56 Thu 23-Nov-06	Sample	G6K130000-241 LCS

6317241	JJKE8L	04:21:26 Thu 23-Nov-06	Sample	G6K130000-241 LCSD
	Rinse	04:24:57 Thu 23-Nov-06	Sample	
6317241	JJKE8B	04:28:29 Thu 23-Nov-06	Sample	G6K130000-241 BLK
	CCV 25	04:32:01 Thu 23-Nov-06	Sample	
	CCB 25	04:35:35 Thu 23-Nov-06	Sample	
	CCV 26	04:39:08 Thu 23-Nov-06	Sample	
	CCB 26	04:42:42 Thu 23-Nov-06	Sample	
6317241	JGWWP	04:46:14 Thu 23-Nov-06	Sample	G6J200219-1
6317241	JGWWPP5	04:49:43 Thu 23-Nov-06	Sample	G6J200219-1 5X
6317241	JGWWPZ	04:53:13 Thu 23-Nov-06	Sample	G6J200219-1 PS
6317241	JGWWX	04:56:43 Thu 23-Nov-06	Sample	G6J200219-2
6317241	JGWW2	05:00:14 Thu 23-Nov-06	Sample	G6J200219-3
6317241	JGWXD	05:03:45 Thu 23-Nov-06	Sample	G6J200219-4
6317241	JGWXF	05:07:16 Thu 23-Nov-06	Sample	G6J200219-5
6317241	JGWXG	05:10:48 Thu 23-Nov-06	Sample	G6J200219-6
6317241	JGWXL	05:14:17 Thu 23-Nov-06	Sample	G6J200219-7
6317241	JGWXN	05:17:43 Thu 23-Nov-06	Sample	G6J200219-8
	CCV 27	05:21:12 Thu 23-Nov-06	Sample	
	CCB 27	05:24:46 Thu 23-Nov-06	Sample	
	CCV 28	05:28:20 Thu 23-Nov-06	Sample	
	CCB 28	05:31:53 Thu 23-Nov-06	Sample	
6317241	JG3D8	05:35:23 Thu 23-Nov-06	Sample	G6J230134-1
6317241	JG3EA	05:38:50 Thu 23-Nov-06	Sample	G6J230134-2
6317241	JG3EC	05:42:17 Thu 23-Nov-06	Sample	G6J230134-3
6317241	JG3ED	05:45:44 Thu 23-Nov-06	Sample	G6J230134-4
6317241	JG3EE	05:49:12 Thu 23-Nov-06	Sample	G6J230134-5
6317241	JG3EF	05:52:39 Thu 23-Nov-06	Sample	G6J230134-6
6317241	JG3EH	05:56:08 Thu 23-Nov-06	Sample	G6J230134-7
6317241	JG3EJ	05:59:37 Thu 23-Nov-06	Sample	G6J230134-8
6317263	JJKH2C	06:03:06 Thu 23-Nov-06	Sample	G6K130000-263 LCS
6317263	JJKH2L	06:06:37 Thu 23-Nov-06	Sample	G6K130000-263 LCSD
	CCV 29	06:10:09 Thu 23-Nov-06	Sample	
	CCB 29	06:13:43 Thu 23-Nov-06	Sample	
	CCV 30	06:17:14 Thu 23-Nov-06	Sample	
	CCB 30	06:20:42 Thu 23-Nov-06	Sample	
6317263	JJKH2B	06:24:12 Thu 23-Nov-06	Sample	G6K130000-263 BLK
6317263	JHA94	06:27:42 Thu 23-Nov-06	Sample	G6J260249-1
6317263	JHA94P5	06:31:11 Thu 23-Nov-06	Sample	G6J260249-1 5X
6317263	JHA94Z	06:34:41 Thu 23-Nov-06	Sample	G6J260249-1 PS
6317263	JHA95	06:38:12 Thu 23-Nov-06	Sample	G6J260249-2
6317263	JHA96	06:41:42 Thu 23-Nov-06	Sample	G6J260249-3
6317263	JHA97	06:45:14 Thu 23-Nov-06	Sample	G6J260249-4
6317263	JHA99	06:48:45 Thu 23-Nov-06	Sample	G6J260249-5
6317263	JHCAA	06:52:14 Thu 23-Nov-06	Sample	G6J260249-6
6317263	JHCAC	06:55:41 Thu 23-Nov-06	Sample	G6J260249-7
<i>RECAL</i> ←	CCV 31	06:59:08 Thu 23-Nov-06	Sample	<i>2 out</i>
	CCB 31	07:02:36 Thu 23-Nov-06	Sample	
	CCV 32	07:06:04 Thu 23-Nov-06	Sample	
	CCB 32	07:09:32 Thu 23-Nov-06	Sample	
	JHCAD	07:13:00 Thu 23-Nov-06	Sample	G6J260249-8
	JHJKC	07:16:28 Thu 23-Nov-06	Sample	G6J300165-1
	JHJKF	07:19:56 Thu 23-Nov-06	Sample	G6J300165-2
6317263	JHJKG	07:23:24 Thu 23-Nov-06	Sample	G6J300165-3
6317263	JHJKH	07:26:53 Thu 23-Nov-06	Sample	G6J300165-4
6317263	JHJKJ	07:30:22 Thu 23-Nov-06	Sample	G6J300165-5
6317263	JHJKK	07:33:52 Thu 23-Nov-06	Sample	G6J300165-6
6317263	JHJKL	07:37:21 Thu 23-Nov-06	Sample	G6J300165-7
6317263	JHJKN	07:40:52 Thu 23-Nov-06	Sample	G6J300165-8
	CCV 33	07:44:21 Thu 23-Nov-06	Sample	
	CCB 33	07:47:49 Thu 23-Nov-06	Sample	

	CCV 34	07:51:17 Thu 23-Nov-06	Sample	
	CCB 34	07:54:45 Thu 23-Nov-06	Sample	
6318093	JJL12C	07:58:15 Thu 23-Nov-06	Sample	G6K140000-93 LCS
6318093	JJL12L	08:01:46 Thu 23-Nov-06	Sample	G6K140000-93 LCSD
	Rinse	08:05:18 Thu 23-Nov-06	Sample	
6318093	JJL12B	08:08:50 Thu 23-Nov-06	Sample	G6K140000-93 BLK
6318093	JHGNW	08:12:20 Thu 23-Nov-06	Sample	G6J280108-5
6318093	JHGNWP5	08:15:47 Thu 23-Nov-06	Sample	G6J280108-5 5X
6318093	JHGNWZ	08:19:15 Thu 23-Nov-06	Sample	G6J280108-5 PS
6318093	JHGNX	08:22:43 Thu 23-Nov-06	Sample	G6J280108-6
6318093	JHGN0	08:26:11 Thu 23-Nov-06	Sample	G6J280108-7
6318093	JHGN1	08:29:40 Thu 23-Nov-06	Sample	G6J280108-8
	CCV 35	08:33:09 Thu 23-Nov-06	Sample	
	CCB 35	08:36:37 Thu 23-Nov-06	Sample	
	CCV 36	08:40:05 Thu 23-Nov-06	Sample	
	CCB 36	08:43:33 Thu 23-Nov-06	Sample	
6318093	JHPT4	08:47:01 Thu 23-Nov-06	Sample	G6K010273-1
6318093	JHPT5	08:50:32 Thu 23-Nov-06	Sample	G6K010273-2
6318093	JHPT7	08:54:05 Thu 23-Nov-06	Sample	G6K010273-3
6318093	JHPT8	08:57:38 Thu 23-Nov-06	Sample	G6K010273-4
6318093	JHPT9	09:01:11 Thu 23-Nov-06	Sample	G6K010273-5
6318093	JHPVA	09:04:45 Thu 23-Nov-06	Sample	G6K010273-6
6318093	JHPVC	09:08:17 Thu 23-Nov-06	Sample	G6K010273-7
6318093	JHPVD	09:11:48 Thu 23-Nov-06	Sample	G6K010273-8
6318093	JJERQ	09:15:20 Thu 23-Nov-06	Sample	G6K100129-1
6318093	JJERR	09:18:52 Thu 23-Nov-06	Sample	G6K100129-2
	CCV 37	09:22:21 Thu 23-Nov-06	Sample	
	CCB 37	09:25:49 Thu 23-Nov-06	Sample	
	CCV 38	09:29:17 Thu 23-Nov-06	Sample	
	CCB 38	09:32:45 Thu 23-Nov-06	Sample	
6318093	JJERT	09:36:16 Thu 23-Nov-06	Sample	G6K100129-3
6318093	JJERV	09:39:48 Thu 23-Nov-06	Sample	G6K100129-4
6318093	JJERW	09:43:21 Thu 23-Nov-06	Sample	G6K100129-5
6318093	JJERX	09:46:55 Thu 23-Nov-06	Sample	G6K100129-6
6318093	JJER1	09:50:25 Thu 23-Nov-06	Sample	G6K100129-7
6318093	JJER2	09:53:52 Thu 23-Nov-06	Sample	G6K100129-8
	CCV 39	09:57:19 Thu 23-Nov-06	Sample	
	CCB 39	10:00:47 Thu 23-Nov-06	Sample	

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/27/06 13:44:47

File ID: 061122B1

Analyst: votawb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Blank			1.0	11/22/06 17:44		<input type="checkbox"/>
2	Standard 1			1.0	11/22/06 17:48		<input type="checkbox"/>
3	ICV			1.0	11/22/06 17:52		<input type="checkbox"/>
4	ICB			1.0	11/22/06 17:56		<input type="checkbox"/>
5	LLSTD 10X			10.0	11/22/06 18:00		<input type="checkbox"/>
6	LLSTD 5X			5.0	11/22/06 18:03		<input type="checkbox"/>
7	ICSA			1.0	11/22/06 18:09		<input type="checkbox"/>
8	ICSAB			1.0	11/22/06 18:13		<input type="checkbox"/>
9	Rinse			1.0	11/22/06 18:17		<input type="checkbox"/>
10	CCV 1			1.0	11/22/06 18:21		<input type="checkbox"/>
11	CCB 1			1.0	11/22/06 18:24		<input type="checkbox"/>
14	CCV 2			1.0	11/22/06 18:28		<input type="checkbox"/>
15	CCB 2			1.0	11/22/06 18:32		<input type="checkbox"/>
16	LLSTD 5X			5.0	11/22/06 18:37		<input type="checkbox"/>
17	JJXAJC	G6K170000	6321133	2A	1.0 11/22/06 18:41		<input type="checkbox"/>
18	JJXAjl	G6K170000	6321133	2A	1.0 11/22/06 18:45		<input type="checkbox"/>
19	JJ71FC	G6K220000	6326120	2A	1.0 11/22/06 18:49		<input type="checkbox"/>
20	JJ71FL	G6K220000	6326120	2A	1.0 11/22/06 18:53		<input type="checkbox"/>
21	Rinse			1.0	11/22/06 18:56		<input type="checkbox"/>
22	JJXAJB	G6K170000	6321133	2A	1.0 11/22/06 19:00		<input type="checkbox"/>
23	MB CONTRO			1.0	11/22/06 19:04		<input type="checkbox"/>
24	JJ71FB	G6K220000	6326120	2A	1.0 11/22/06 19:07		<input type="checkbox"/>
25	MB CONTRO			1.0	11/22/06 19:11		<input type="checkbox"/>
26	CCV 3			1.0	11/22/06 19:14		<input type="checkbox"/>
27	CCB 3			1.0	11/22/06 19:18		<input type="checkbox"/>
28	CCV 4			1.0	11/22/06 19:22		<input type="checkbox"/>
29	CCB 4			1.0	11/22/06 19:25		<input type="checkbox"/>
30	JHQ8V	G6K020146-1	6321133	2A	1.0 11/22/06 19:29		<input type="checkbox"/>
31	JHQ8VP5	G6K020146	6321133		5.0 11/22/06 19:33		<input type="checkbox"/>
32	JHQ8VZ	G6K020146-1	6321133		1.0 11/22/06 19:37		<input type="checkbox"/>
33	JHQ88	G6K020146-2	6321133	2A	1.0 11/22/06 19:40		<input type="checkbox"/>
34	JHQ9A	G6K020146-3	6321133	2A	1.0 11/22/06 19:44		<input type="checkbox"/>
35	JHQ9F	G6K020146-4	6321133	2A	1.0 11/22/06 19:48		<input type="checkbox"/>
36	JHQ9H	G6K020146-5	6321133	2A	1.0 11/22/06 19:51		<input type="checkbox"/>
37	JHRAM	G6K020151-1	6321133	2A	1.0 11/22/06 19:55		<input type="checkbox"/>
38	JHRAX	G6K020151-2	6321133	2A	1.0 11/22/06 19:59		<input type="checkbox"/>
39	JHRA2	G6K020151-3	6321133	2A	1.0 11/22/06 20:03		<input type="checkbox"/>
40	CCV 5			1.0	11/22/06 20:06		<input type="checkbox"/>
41	CCB 5			1.0	11/22/06 20:10		<input type="checkbox"/>
42	CCV 6			1.0	11/22/06 20:14		<input type="checkbox"/>
43	CCB 6			1.0	11/22/06 20:18		<input type="checkbox"/>
44	JHRA4	G6K020151-4	6321133	2A	1.0 11/22/06 20:22		<input type="checkbox"/>
45	JJACE	G6K090141-1	6326120	2A	1.0 11/22/06 20:25		<input type="checkbox"/>
46	JJACEP5	G6K090141	6326120		5.0 11/22/06 20:29		<input type="checkbox"/>
47	JJACEZ	G6K090141-1	6326120		1.0 11/22/06 20:33		<input type="checkbox"/>
48	JJACG	G6K090141-2	6326120	2A	1.0 11/22/06 20:37		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/27/06 13:44:47

File ID: 061122B1

Analyst: votawb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
49	JJACH	G6K090141-3	6326120	2A	1.0 11/22/06 20:40		<input type="checkbox"/>
50	JJACJ	G6K090141-4	6326120	2A	1.0 11/22/06 20:44		<input type="checkbox"/>
51	JJACK	G6K090141-5	6326120	2A	1.0 11/22/06 20:48		<input type="checkbox"/>
52	JJMHA	G6K140165-1	6326120	2A	1.0 11/22/06 20:52		<input type="checkbox"/>
53	JJMHE	G6K140165-2	6326120	2A	1.0 11/22/06 20:56		<input type="checkbox"/>
54	CCV 7				1.0 11/22/06 20:59		<input type="checkbox"/>
55	CCB 7				1.0 11/22/06 21:03		<input type="checkbox"/>
56	CCV 8				1.0 11/22/06 21:07		<input type="checkbox"/>
57	CCB 8				1.0 11/22/06 21:11		<input type="checkbox"/>
58	JJMHF	G6K140165-3	6326120	2A	1.0 11/22/06 21:14		<input type="checkbox"/>
59	LLSTD 10X				10.0 11/22/06 21:18		<input type="checkbox"/>
60	LLSTD 5X				5.0 11/22/06 21:21		<input type="checkbox"/>
61	ICSA				1.0 11/22/06 21:28		<input type="checkbox"/>
62	ICSAB				1.0 11/22/06 21:32		<input type="checkbox"/>
63	ICSAB				1.0 11/22/06 21:37		<input type="checkbox"/>
64	Rinse				1.0 11/22/06 21:41		<input type="checkbox"/>
65	CCV 9				1.0 11/22/06 21:45		<input type="checkbox"/>
66	CCB 9				1.0 11/22/06 21:49		<input type="checkbox"/>
69	CCV 10				1.0 11/22/06 22:13		<input type="checkbox"/>
70	CCB 10				1.0 11/22/06 22:17		<input type="checkbox"/>
71	JJ71HC	G6K220000	6326122	2A	1.0 11/22/06 22:20		<input type="checkbox"/>
72	JJ71HL	G6K220000	6326122	2A	1.0 11/22/06 22:24		<input type="checkbox"/>
73	Rinse				1.0 11/22/06 22:27		<input type="checkbox"/>
74	JJ71HB	G6K220000	6326122	2A	1.0 11/22/06 22:31		<input type="checkbox"/>
75	JJ547	G6K210170-1	6326122	2A	1.0 11/22/06 22:34		<input type="checkbox"/>
76	JJ547P5	G6K210170	6326122		5.0 11/22/06 22:37		<input type="checkbox"/>
77	JJ547X	G6K210170-1	6326122	2A	1.0 11/22/06 22:41		<input type="checkbox"/>
78	JJ547Z	G6K210170-1	6326122		1.0 11/22/06 22:45		<input type="checkbox"/>
79	JJ55E	G6K210170-2	6326122	2A	1.0 11/22/06 22:48		<input type="checkbox"/>
80	JJ55F	G6K210170-3	6326122	2A	1.0 11/22/06 22:52		<input type="checkbox"/>
81	CCV 11				1.0 11/22/06 22:55		<input type="checkbox"/>
82	CCB 11				1.0 11/22/06 22:59		<input type="checkbox"/>
83	CCV 12				1.0 11/22/06 23:02		<input type="checkbox"/>
84	CCB 12				1.0 11/22/06 23:06		<input type="checkbox"/>
85	JJ55G	G6K210170-4	6326122	2A	1.0 11/22/06 23:09		<input type="checkbox"/>
86	JJ55H	G6K210170-5	6326122	2A	1.0 11/22/06 23:13		<input type="checkbox"/>
87	JJ55J	G6K210170-6	6326122	2A	1.0 11/22/06 23:16		<input type="checkbox"/>
88	JJ55K	G6K210170-7	6326122	2A	1.0 11/22/06 23:20		<input type="checkbox"/>
89	JJ55L	G6K210170-8	6326122	2A	1.0 11/22/06 23:23		<input type="checkbox"/>
90	JJ55M	G6K210170-9	6326122	2A	1.0 11/22/06 23:27		<input type="checkbox"/>
91	JJ55P	G6K210170-10	6326122	2A	1.0 11/22/06 23:30		<input type="checkbox"/>
92	JJ55Q	G6K210170-11	6326122	2A	1.0 11/22/06 23:34		<input type="checkbox"/>
93	JJ55R	G6K210170-12	6326122	2A	1.0 11/22/06 23:37		<input type="checkbox"/>
94	JJ558	G6K210173-1	6326122	2A	1.0 11/22/06 23:41		<input type="checkbox"/>
95	CCV 13				1.0 11/22/06 23:44		<input type="checkbox"/>
96	CCB 13				1.0 11/22/06 23:48		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/27/06 13:44:47

File ID: 061122B1

Analyst: votawb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
97	CCV 14			1.0	11/22/06 23:51		<input type="checkbox"/>
98	CCB 14			1.0	11/22/06 23:55		<input type="checkbox"/>
99	JJ559	G6K210173-2	6326122	2A	1.0 11/22/06 23:58		<input type="checkbox"/>
100	JJ56A	G6K210173-3	6326122	2A	1.0 11/23/06 00:02		<input type="checkbox"/>
101	JJ56C	G6K210173-4	6326122	2A	1.0 11/23/06 00:05		<input type="checkbox"/>
102	JJ56D	G6K210173-5	6326122	2A	1.0 11/23/06 00:09		<input type="checkbox"/>
103	JJ56E	G6K210173-6	6326122	2A	1.0 11/23/06 00:12		<input type="checkbox"/>
104	JJ56F	G6K210173-7	6326122	2A	1.0 11/23/06 00:16		<input type="checkbox"/>
105	JJ71QC	G6K220000	6326127	2A	1.0 11/23/06 00:19		<input type="checkbox"/>
106	JJ71QL	G6K220000	6326127	2A	1.0 11/23/06 00:23		<input type="checkbox"/>
107	Rinse				1.0 11/23/06 00:26		<input type="checkbox"/>
108	JJ71QB	G6K220000	6326127	2A	1.0 11/23/06 00:30		<input type="checkbox"/>
109	CCV 15				1.0 11/23/06 00:33		<input type="checkbox"/>
110	CCB 15				1.0 11/23/06 00:37		<input type="checkbox"/>
111	CCV 16				1.0 11/23/06 00:40		<input type="checkbox"/>
112	CCB 16				1.0 11/23/06 00:44		<input type="checkbox"/>
113	JJ560	G6K210178-1	6326127	2A	1.0 11/23/06 00:47		<input type="checkbox"/>
114	JJ560P5	G6K210178	6326127		5.0 11/23/06 00:51		<input type="checkbox"/>
115	JJ560X	G6K210178-1	6326127	2A	1.0 11/23/06 00:54		<input type="checkbox"/>
116	JJ560Z	G6K210178-1	6326127		1.0 11/23/06 00:58		<input type="checkbox"/>
117	JJ563	G6K210178-2	6326127	2A	1.0 11/23/06 01:01		<input type="checkbox"/>
118	JJ564	G6K210178-3	6326127	2A	1.0 11/23/06 01:05		<input type="checkbox"/>
119	JJ566	G6K210178-4	6326127	2A	1.0 11/23/06 01:08		<input type="checkbox"/>
120	JJ567	G6K210178-5	6326127	2A	1.0 11/23/06 01:12		<input type="checkbox"/>
121	JJ569	G6K210178-6	6326127	2A	1.0 11/23/06 01:15		<input type="checkbox"/>
122	JJ57A	G6K210178-7	6326127	2A	1.0 11/23/06 01:19		<input type="checkbox"/>
123	CCV 17				1.0 11/23/06 01:22		<input type="checkbox"/>
124	CCB 17				1.0 11/23/06 01:26		<input type="checkbox"/>
127	CCV 18				1.0 11/23/06 01:29		<input type="checkbox"/>
128	CCB 18				1.0 11/23/06 01:33		<input type="checkbox"/>
129	JJ57C	G6K210178-8	6326127	2A	1.0 11/23/06 01:36		<input type="checkbox"/>
130	JJ57D	G6K210178-9	6326127	2A	1.0 11/23/06 01:40		<input type="checkbox"/>
131	JJ57E	G6K210178-10	6326127	2A	1.0 11/23/06 01:43		<input type="checkbox"/>
132	JJ57F	G6K210178-11	6326127	2A	1.0 11/23/06 01:47		<input type="checkbox"/>
133	JJ57G	G6K210178-12	6326127	2A	1.0 11/23/06 01:50		<input type="checkbox"/>
134	JJ57H	G6K210178-13	6326127	2A	1.0 11/23/06 01:54		<input type="checkbox"/>
135	JJ56G	G6K210173-8	6326127	2A	1.0 11/23/06 01:57		<input type="checkbox"/>
136	JJ56H	G6K210173-9	6326127	2A	1.0 11/23/06 02:01		<input type="checkbox"/>
137	JJ56J	G6K210173-10	6326127	2A	1.0 11/23/06 02:04		<input type="checkbox"/>
138	JJ56K	G6K210173-11	6326127	2A	1.0 11/23/06 02:08		<input type="checkbox"/>
139	CCV 19				1.0 11/23/06 02:11		<input type="checkbox"/>
140	CCB 19				1.0 11/23/06 02:15		<input type="checkbox"/>
141	CCV 20				1.0 11/23/06 02:18		<input type="checkbox"/>
142	CCB 20				1.0 11/23/06 02:22		<input type="checkbox"/>
143	JJ56L	G6K210173-12	6326127	2A	1.0 11/23/06 02:25		<input type="checkbox"/>
144	JJ56M	G6K210173-13	6326127	2A	1.0 11/23/06 02:29		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/27/06 13:44:47

File ID: 061122B1

Analyst: votawb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
145	JJW8JC	G6K170000	6321081	2A	1.0 11/23/06 02:32		<input type="checkbox"/>
146	JJW8JL	G6K170000	6321081	2A	1.0 11/23/06 02:36		<input type="checkbox"/>
147	Rinse				1.0 11/23/06 02:39		<input type="checkbox"/>
148	JJW8JB	G6K170000	6321081	2A	1.0 11/23/06 02:43		<input type="checkbox"/>
149	JG77J	G6J250276-1	6321081	2A	1.0 11/23/06 02:46		<input type="checkbox"/>
150	JG77JP5	G6J250276	6321081		5.0 11/23/06 02:50		<input type="checkbox"/>
151	JG77JZ	G6J250276-1	6321081		1.0 11/23/06 02:53		<input type="checkbox"/>
152	JG77L	G6J250276-2	6321081	2A	1.0 11/23/06 02:57		<input type="checkbox"/>
153	CCV 21				1.0 11/23/06 03:00		<input type="checkbox"/>
154	CCB 21				1.0 11/23/06 03:04		<input type="checkbox"/>
155	CCV 22				1.0 11/23/06 03:07		<input type="checkbox"/>
156	CCB 22				1.0 11/23/06 03:11		<input type="checkbox"/>
157	JG77M	G6J250276-3	6321081	2A	1.0 11/23/06 03:15		<input type="checkbox"/>
158	JG77Q	G6J250276-4	6321081	2A	1.0 11/23/06 03:18		<input type="checkbox"/>
159	JG77T	G6J250276-5	6321081	2A	1.0 11/23/06 03:22		<input type="checkbox"/>
160	JG77V	G6J250276-6	6321081	2A	1.0 11/23/06 03:25		<input type="checkbox"/>
161	JG77X	G6J250276-7	6321081	2A	1.0 11/23/06 03:29		<input type="checkbox"/>
162	JG77Z	G6J250276-8	6321081	2A	1.0 11/23/06 03:32		<input type="checkbox"/>
163	JH244	G6K060161-1	6321081	2A	1.0 11/23/06 03:36		<input type="checkbox"/>
164	JH249	G6K060161-2	6321081	2A	1.0 11/23/06 03:39		<input type="checkbox"/>
165	JH25C	G6K060161-3	6321081	2A	1.0 11/23/06 03:42		<input type="checkbox"/>
166	JH25D	G6K060161-4	6321081	2A	1.0 11/23/06 03:46		<input type="checkbox"/>
167	CCV 23				1.0 11/23/06 03:49		<input type="checkbox"/>
168	CCB 23				1.0 11/23/06 03:53		<input type="checkbox"/>
171	CCV 24				1.0 11/23/06 03:56		<input type="checkbox"/>
172	CCB 24				1.0 11/23/06 04:00		<input type="checkbox"/>
173	JH25J	G6K060161-5	6321081	2A	1.0 11/23/06 04:04		<input type="checkbox"/>
174	JH25K	G6K060161-6	6321081	2A	1.0 11/23/06 04:07		<input type="checkbox"/>
175	JH25L	G6K060161-7	6321081	2A	1.0 11/23/06 04:10		<input type="checkbox"/>
176	JH25N	G6K060161-8	6321081	2A	1.0 11/23/06 04:14		<input type="checkbox"/>
177	JJKE8C	G6K130000	6317241	2A	1.0 11/23/06 04:17		<input type="checkbox"/>
178	JJKE8L	G6K130000	6317241	2A	1.0 11/23/06 04:21		<input type="checkbox"/>
179	Rinse				1.0 11/23/06 04:24		<input type="checkbox"/>
180	JJKE8B	G6K130000	6317241	2A	1.0 11/23/06 04:28		<input type="checkbox"/>
181	CCV 25				1.0 11/23/06 04:32		<input type="checkbox"/>
182	CCB 25				1.0 11/23/06 04:35		<input type="checkbox"/>
183	CCV 26				1.0 11/23/06 04:39		<input type="checkbox"/>
184	CCB 26				1.0 11/23/06 04:42		<input type="checkbox"/>
185	JGWWP	G6J200219-1	6317241	2A	1.0 11/23/06 04:46		<input type="checkbox"/>
186	JGWWPP5	G6J200219	6317241		5.0 11/23/06 04:49		<input type="checkbox"/>
187	JGWWPZ	G6J200219-1	6317241		1.0 11/23/06 04:53		<input type="checkbox"/>
188	JGWWX	G6J200219-2	6317241	2A	1.0 11/23/06 04:56		<input type="checkbox"/>
189	JGWW2	G6J200219-3	6317241	2A	1.0 11/23/06 05:00		<input type="checkbox"/>
190	JGWXD	G6J200219-4	6317241	2A	1.0 11/23/06 05:03		<input type="checkbox"/>
191	JGWF	G6J200219-5	6317241	2A	1.0 11/23/06 05:07		<input type="checkbox"/>
192	JGWXG	G6J200219-6	6317241	2A	1.0 11/23/06 05:10		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/27/06 13:44:47

File ID: 061122B1

Analyst: votawb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
193	JGWXL	G6J200219-7	6317241	2A	1.0 11/23/06 05:14		<input type="checkbox"/>
194	JGWXN	G6J200219-8	6317241	2A	1.0 11/23/06 05:17		<input type="checkbox"/>
195	CCV 27				1.0 11/23/06 05:21		<input type="checkbox"/>
196	CCB 27				1.0 11/23/06 05:24		<input type="checkbox"/>
197	CCV 28				1.0 11/23/06 05:28		<input type="checkbox"/>
198	CCB 28				1.0 11/23/06 05:31		<input type="checkbox"/>
199	JG3D8	G6J230134-1	6317241	2A	1.0 11/23/06 05:35		<input type="checkbox"/>
200	JG3EA	G6J230134-2	6317241	2A	1.0 11/23/06 05:38		<input type="checkbox"/>
201	JG3EC	G6J230134-3	6317241	2A	1.0 11/23/06 05:42		<input type="checkbox"/>
202	JG3ED	G6J230134-4	6317241	2A	1.0 11/23/06 05:45		<input type="checkbox"/>
203	JG3EE	G6J230134-5	6317241	2A	1.0 11/23/06 05:49		<input type="checkbox"/>
204	JG3EF	G6J230134-6	6317241	2A	1.0 11/23/06 05:52		<input type="checkbox"/>
205	JG3EH	G6J230134-7	6317241	2A	1.0 11/23/06 05:56		<input type="checkbox"/>
206	JG3EJ	G6J230134-8	6317241	2A	1.0 11/23/06 05:59		<input type="checkbox"/>
207	JJKH2C	G6K130000	6317263	2A	1.0 11/23/06 06:03		<input type="checkbox"/>
208	JJKH2L	G6K130000	6317263	2A	1.0 11/23/06 06:06		<input type="checkbox"/>
209	CCV 29				1.0 11/23/06 06:10		<input type="checkbox"/>
210	CCB 29				1.0 11/23/06 06:13		<input type="checkbox"/>
211	CCV 30				1.0 11/23/06 06:17		<input type="checkbox"/>
212	CCB 30				1.0 11/23/06 06:20		<input type="checkbox"/>
213	JJKH2B	G6K130000	6317263	2A	1.0 11/23/06 06:24		<input type="checkbox"/>
214	JHA94	G6J260249-1	6317263	2A	1.0 11/23/06 06:27		<input type="checkbox"/>
215	JHA94P5	G6J260249	6317263		5.0 11/23/06 06:31		<input type="checkbox"/>
216	JHA94Z	G6J260249-1	6317263		1.0 11/23/06 06:34		<input type="checkbox"/>
217	JHA95	G6J260249-2	6317263	2A	1.0 11/23/06 06:38		<input type="checkbox"/>
218	JHA96	G6J260249-3	6317263	2A	1.0 11/23/06 06:41		<input type="checkbox"/>
219	JHA97	G6J260249-4	6317263	2A	1.0 11/23/06 06:45		<input type="checkbox"/>
220	JHA99	G6J260249-5	6317263	2A	1.0 11/23/06 06:48		<input type="checkbox"/>
221	JHCAA	G6J260249-6	6317263	2A	1.0 11/23/06 06:52		<input type="checkbox"/>
222	JHCAC	G6J260249-7	6317263	2A	1.0 11/23/06 06:55		<input type="checkbox"/>
223	CCV 31				1.0 11/23/06 06:59		<input type="checkbox"/>
224	CCB 31				1.0 11/23/06 07:02		<input type="checkbox"/>
227	CCV 32				1.0 11/23/06 07:06		<input type="checkbox"/>
228	CCB 32				1.0 11/23/06 07:09		<input type="checkbox"/>
229	JHCAD	G6J260249-8	6317263	2A	1.0 11/23/06 07:13		<input type="checkbox"/>
230	JHJKC	G6J300165-1	6317263	2A	1.0 11/23/06 07:16		<input type="checkbox"/>
231	JHJKF	G6J300165-2	6317263	2A	1.0 11/23/06 07:19		<input type="checkbox"/>
232	JHJKG	G6J300165-3	6317263	2A	1.0 11/23/06 07:23		<input type="checkbox"/>
233	JHJKH	G6J300165-4	6317263	2A	1.0 11/23/06 07:26		<input type="checkbox"/>
234	JHJKJ	G6J300165-5	6317263	2A	1.0 11/23/06 07:30		<input type="checkbox"/>
235	JHJKK	G6J300165-6	6317263	2A	1.0 11/23/06 07:33		<input type="checkbox"/>
236	JHJKL	G6J300165-7	6317263	2A	1.0 11/23/06 07:37		<input type="checkbox"/>
237	JHJKN	G6J300165-8	6317263	2A	1.0 11/23/06 07:40		<input type="checkbox"/>
238	CCV 33				1.0 11/23/06 07:44		<input type="checkbox"/>
239	CCB 33				1.0 11/23/06 07:47		<input type="checkbox"/>
240	CCV 34				1.0 11/23/06 07:51		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/27/06 13:44:47

File ID: 061122B1

Analyst: votawb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
241	CCB 34			1.0	11/23/06 07:54		<input type="checkbox"/>
242	JJL12C	G6K140000	6318093	2A	1.0 11/23/06 07:58		<input type="checkbox"/>
243	JJL12L	G6K140000	6318093	2A	1.0 11/23/06 08:01		<input type="checkbox"/>
244	Rinse				1.0 11/23/06 08:05		<input type="checkbox"/>
245	JJL12B	G6K140000	6318093	2A	1.0 11/23/06 08:08		<input type="checkbox"/>
246	JHGNW	G6J280108-5	6318093	2A	1.0 11/23/06 08:12		<input type="checkbox"/>
247	JHGNWP5	G6J280108	6318093		5.0 11/23/06 08:15		<input type="checkbox"/>
248	JHGNWZ	G6J280108-5	6318093		1.0 11/23/06 08:19		<input type="checkbox"/>
249	JHGNX	G6J280108-6	6318093	2A	1.0 11/23/06 08:22		<input type="checkbox"/>
250	JHGN0	G6J280108-7	6318093	2A	1.0 11/23/06 08:26		<input type="checkbox"/>
251	JHGN1	G6J280108-8	6318093	2A	1.0 11/23/06 08:29		<input type="checkbox"/>
252	CCV 35				1.0 11/23/06 08:33		<input type="checkbox"/>
253	CCB 35				1.0 11/23/06 08:36		<input type="checkbox"/>
254	CCV 36				1.0 11/23/06 08:40		<input type="checkbox"/>
255	CCB 36				1.0 11/23/06 08:43		<input type="checkbox"/>
256	JHPT4	G6K010273-1	6318093	2A	1.0 11/23/06 08:47		<input type="checkbox"/>
257	JHPT5	G6K010273-2	6318093	2A	1.0 11/23/06 08:50		<input type="checkbox"/>
258	JHPT7	G6K010273-3	6318093	2A	1.0 11/23/06 08:54		<input type="checkbox"/>
259	JHPT8	G6K010273-4	6318093	2A	1.0 11/23/06 08:57		<input type="checkbox"/>
260	JHPT9	G6K010273-5	6318093	2A	1.0 11/23/06 09:01		<input type="checkbox"/>
261	JHPVA	G6K010273-6	6318093	2A	1.0 11/23/06 09:04		<input type="checkbox"/>
262	JHPVC	G6K010273-7	6318093	2A	1.0 11/23/06 09:08		<input type="checkbox"/>
263	JHPVD	G6K010273-8	6318093	2A	1.0 11/23/06 09:11		<input type="checkbox"/>
264	JJERQ	G6K100129-1	6318093	2A	1.0 11/23/06 09:15		<input type="checkbox"/>
265	JJERR	G6K100129-2	6318093	2A	1.0 11/23/06 09:18		<input type="checkbox"/>
266	CCV 37				1.0 11/23/06 09:22		<input type="checkbox"/>
267	CCB 37				1.0 11/23/06 09:25		<input type="checkbox"/>
268	CCV 38				1.0 11/23/06 09:29		<input type="checkbox"/>
269	CCB 38				1.0 11/23/06 09:32		<input type="checkbox"/>
270	JJERT	G6K100129-3	6318093	2A	1.0 11/23/06 09:36		<input type="checkbox"/>
271	JJERV	G6K100129-4	6318093	2A	1.0 11/23/06 09:39		<input type="checkbox"/>
272	JJERW	G6K100129-5	6318093	2A	1.0 11/23/06 09:43		<input type="checkbox"/>
273	JJERX	G6K100129-6	6318093	2A	1.0 11/23/06 09:46		<input type="checkbox"/>
274	JJER1	G6K100129-7	6318093	2A	1.0 11/23/06 09:50		<input type="checkbox"/>
275	JJER2	G6K100129-8	6318093	2A	1.0 11/23/06 09:53		<input type="checkbox"/>
276	CCV 39				1.0 11/23/06 09:57		<input type="checkbox"/>
277	CCB 39				1.0 11/23/06 10:00		<input type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 12:29:24

File ID: 061122B1R

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	Rinse	11/22/06 17:40	94.4	96.5	93.4	102.7	<input type="checkbox"/>
2	Blank	11/22/06 17:44	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
3	Standard1	11/22/06 17:48	102.7	99.8	104.1	97.2	<input checked="" type="checkbox"/>
4	ICV	11/22/06 17:52	105.3	102.2	112.2	95.1	<input checked="" type="checkbox"/>
5	ICB	11/22/06 17:56	104.7	101.4	113.8	94.1	<input checked="" type="checkbox"/>
6	LLSTD 10X	11/22/06 18:00	111.4	114.7	124.2	102.5	<input checked="" type="checkbox"/>
7	LLSTD 5X	11/22/06 18:03	110.8	116.6	123.6	103.1	<input checked="" type="checkbox"/>
8	ICSA	11/22/06 18:09	85.2	78.6	81.7	80.4	<input checked="" type="checkbox"/>
9	ICSAB	11/22/06 18:13	87.1	81.2	78.6	81.0	<input checked="" type="checkbox"/>
10	Rinse	11/22/06 18:17	126.7	116.5	111.0	101.0	<input checked="" type="checkbox"/>
11	CCV 1	11/22/06 18:21	129.0	112.0	122.1	100.8	<input checked="" type="checkbox"/>
12	CCB 1	11/22/06 18:24	128.7	113.3	128.9	102.4	<input checked="" type="checkbox"/>
15	CCV 2	11/22/06 18:28	101.0	98.4	102.7	101.7	<input checked="" type="checkbox"/>
16	CCB 2	11/22/06 18:32	99.0	97.8	103.2	101.7	<input checked="" type="checkbox"/>
17	LLSTD 5X	11/22/06 18:37	104.4	115.3	113.5	110.0	<input checked="" type="checkbox"/>
18	JJXAJC	11/22/06 18:41	93.4	97.4	103.3	103.6	<input checked="" type="checkbox"/>
19	JJXAjl	11/22/06 18:45	94.3	99.2	102.6	103.5	<input checked="" type="checkbox"/>
20	JJ71FC	11/22/06 18:49	92.2	97.3	99.4	101.4	<input checked="" type="checkbox"/>
21	JJ71FL	11/22/06 18:53	94.1	99.5	101.9	103.6	<input checked="" type="checkbox"/>
22	Rinse	11/22/06 18:56	95.0	98.2	99.7	103.4	<input checked="" type="checkbox"/>
23	JJXAJB	11/22/06 19:00	95.1	101.4	99.6	105.0	<input checked="" type="checkbox"/>
24	MB CONTROL	11/22/06 19:04	101.0	111.6	109.0	113.0	<input checked="" type="checkbox"/>
25	JJ71FB	11/22/06 19:07	96.3	101.7	98.0	104.7	<input checked="" type="checkbox"/>
26	MB CONTROL	11/22/06 19:11	102.1	111.1	106.0	112.7	<input checked="" type="checkbox"/>
27	CCV 3	11/22/06 19:14	97.0	100.8	96.6	103.5	<input checked="" type="checkbox"/>
28	CCB 3	11/22/06 19:18	96.7	100.0	99.4	103.4	<input checked="" type="checkbox"/>
29	CCV 4	11/22/06 19:22	100.5	100.6	96.0	103.4	<input checked="" type="checkbox"/>
30	CCB 4	11/22/06 19:25	98.4	101.1	101.1	104.4	<input checked="" type="checkbox"/>
31	JHQ8V	11/22/06 19:29	96.8	103.6	99.3	104.9	<input checked="" type="checkbox"/>
32	JHQ8VP5	11/22/06 19:33	98.0	102.7	97.5	104.8	<input type="checkbox"/>
33	JHQ8VZ	11/22/06 19:37	93.9	100.8	97.7	103.6	<input checked="" type="checkbox"/>
34	JHQ8B	11/22/06 19:40	93.9	103.0	97.3	104.7	<input checked="" type="checkbox"/>
35	JHQ9A	11/22/06 19:44	94.8	102.6	95.9	105.0	<input checked="" type="checkbox"/>
36	JHQ9F	11/22/06 19:48	94.1	101.7	95.7	104.2	<input checked="" type="checkbox"/>
37	JHQ9H	11/22/06 19:51	92.8	101.9	96.1	104.2	<input checked="" type="checkbox"/>
38	JHRAM	11/22/06 19:55	93.8	101.7	94.2	104.9	<input checked="" type="checkbox"/>
39	JHRAX	11/22/06 19:59	92.7	100.5	92.8	103.3	<input checked="" type="checkbox"/>
40	JHRA2	11/22/06 20:03	93.3	101.7	92.7	104.3	<input checked="" type="checkbox"/>
41	CCV 5	11/22/06 20:06	95.2	100.3	94.0	103.6	<input checked="" type="checkbox"/>
42	CCB 5	11/22/06 20:10	96.1	102.3	94.7	103.9	<input checked="" type="checkbox"/>
43	CCV 6	11/22/06 20:14	97.5	101.9	93.1	104.2	<input checked="" type="checkbox"/>
44	CCB 6	11/22/06 20:18	96.5	102.0	90.5	102.5	<input checked="" type="checkbox"/>
45	JHRA4	11/22/06 20:22	96.1	104.8	93.8	105.4	<input checked="" type="checkbox"/>
46	JJACE	11/22/06 20:25	96.9	103.1	91.8	104.6	<input checked="" type="checkbox"/>
47	JJACEP5	11/22/06 20:29	97.4	103.0	91.7	103.6	<input type="checkbox"/>
48	JJACEZ	11/22/06 20:33	95.9	103.9	87.2	103.9	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 12:29:24

File ID: 061122B1R

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
49	JJACG	11/22/06 20:37	94.5	100.5	89.4	103.6	<input checked="" type="checkbox"/>
50	JJACH	11/22/06 20:40	93.5	101.2	88.5	103.6	<input checked="" type="checkbox"/>
51	JJACJ	11/22/06 20:44	93.8	100.4	89.1	103.4	<input checked="" type="checkbox"/>
52	JJACK	11/22/06 20:48	93.5	101.8	90.1	104.6	<input checked="" type="checkbox"/>
53	JJMHA	11/22/06 20:52	93.0	100.9	87.3	103.7	<input checked="" type="checkbox"/>
54	JJMHE	11/22/06 20:56	94.0	103.1	87.7	103.2	<input checked="" type="checkbox"/>
55	CCV 7	11/22/06 20:59	94.9	100.5	88.9	102.7	<input checked="" type="checkbox"/>
56	CCB 7	11/22/06 21:03	96.3	103.1	89.6	103.9	<input checked="" type="checkbox"/>
57	CCV 8	11/22/06 21:07	96.3	102.2	87.5	103.1	<input checked="" type="checkbox"/>
58	CCB 8	11/22/06 21:11	96.3	103.2	87.4	103.4	<input checked="" type="checkbox"/>
59	JJMHF	11/22/06 21:14	93.9	103.3	83.7	104.1	<input checked="" type="checkbox"/>
60	LLSTD 10X	11/22/06 21:18	103.5	117.5	97.3	113.0	<input checked="" type="checkbox"/>
61	LLSTD 5X	11/22/06 21:21	102.6	120.8	95.1	111.1	<input checked="" type="checkbox"/>
62	ICSA	11/22/06 21:28	73.4	77.4	63.5	86.9	<input checked="" type="checkbox"/>
63	ICSAB	11/22/06 21:32	92.1	101.3	70.2	103.0	<input checked="" type="checkbox"/>
64	ICSAB	11/22/06 21:37	72.1	75.7	62.8	84.7	<input checked="" type="checkbox"/>
65	Rinse	11/22/06 21:41	94.8	102.7	71.6	104.4	<input checked="" type="checkbox"/>
66	CCV 9	11/22/06 21:45	96.5	101.3	77.2	102.9	<input checked="" type="checkbox"/>
67	CCB 9	11/22/06 21:49	100.1	106.2	78.7	104.3	<input checked="" type="checkbox"/>
70	CCV 10	11/22/06 22:13	100.2	98.7	109.0	100.1	<input checked="" type="checkbox"/>
71	CCB 10	11/22/06 22:17	102.3	102.1	110.2	100.6	<input checked="" type="checkbox"/>
72	JJ71HC	11/22/06 22:20	97.3	99.1	105.1	99.6	<input checked="" type="checkbox"/>
73	JJ71HL	11/22/06 22:24	94.6	97.3	106.2	99.1	<input checked="" type="checkbox"/>
74	Rinse	11/22/06 22:27	97.3	98.2	110.2	98.7	<input checked="" type="checkbox"/>
75	JJ71HB	11/22/06 22:31	96.5	99.3	106.1	100.6	<input checked="" type="checkbox"/>
76	JJ547	11/22/06 22:34	97.2	97.6	105.2	98.8	<input checked="" type="checkbox"/>
77	JJ547P5	11/22/06 22:37	100.5	99.4	110.7	99.2	<input type="checkbox"/>
78	JJ547X	11/22/06 22:41	98.4	98.4	105.4	99.4	<input checked="" type="checkbox"/>
79	JJ547Z	11/22/06 22:45	95.1	94.7	103.9	97.0	<input checked="" type="checkbox"/>
80	JJ55E	11/22/06 22:48	95.2	96.9	105.0	97.3	<input checked="" type="checkbox"/>
81	JJ55F	11/22/06 22:52	97.0	97.8	107.9	98.4	<input checked="" type="checkbox"/>
82	CCV 11	11/22/06 22:55	96.4	95.2	111.2	95.3	<input checked="" type="checkbox"/>
83	CCB 11	11/22/06 22:59	101.0	99.2	111.2	98.6	<input checked="" type="checkbox"/>
84	CCV 12	11/22/06 23:02	99.5	96.9	112.3	96.7	<input checked="" type="checkbox"/>
85	CCB 12	11/22/06 23:06	100.9	99.7	112.6	98.6	<input checked="" type="checkbox"/>
86	JJ55G	11/22/06 23:09	99.7	99.5	106.8	99.7	<input checked="" type="checkbox"/>
87	JJ55H	11/22/06 23:13	99.1	99.8	105.6	98.9	<input checked="" type="checkbox"/>
88	JJ55J	11/22/06 23:16	99.9	100.2	109.6	99.8	<input checked="" type="checkbox"/>
89	JJ55K	11/22/06 23:20	99.9	99.7	108.8	98.6	<input checked="" type="checkbox"/>
90	JJ55L	11/22/06 23:23	100.1	98.9	109.4	98.7	<input checked="" type="checkbox"/>
91	JJ55M	11/22/06 23:27	98.6	98.8	106.5	98.9	<input checked="" type="checkbox"/>
92	JJ55P	11/22/06 23:30	99.6	100.7	107.6	98.2	<input checked="" type="checkbox"/>
93	JJ55Q	11/22/06 23:34	99.8	99.9	109.2	99.0	<input checked="" type="checkbox"/>
94	JJ55R	11/22/06 23:37	99.9	99.9	109.3	99.5	<input checked="" type="checkbox"/>
95	JJ55S	11/22/06 23:41	97.9	99.0	109.1	99.2	<input checked="" type="checkbox"/>
96	CCV 13	11/22/06 23:44	98.4	94.4	115.0	94.0	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 12:29:24

File ID: 061122B1R

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
97	CCB 13	11/22/06 23:48	101.1	98.4	113.7	96.7	<input checked="" type="checkbox"/>
98	CCV 14	11/22/06 23:51	100.2	96.3	114.7	95.5	<input checked="" type="checkbox"/>
99	CCB 14	11/22/06 23:55	101.4	99.3	115.9	97.5	<input checked="" type="checkbox"/>
100	JJ559	11/22/06 23:58	97.9	99.9	108.5	97.3	<input checked="" type="checkbox"/>
101	JJ56A	11/23/06 00:02	99.3	98.6	106.8	97.8	<input checked="" type="checkbox"/>
102	JJ56C	11/23/06 00:05	98.5	98.8	109.2	98.4	<input checked="" type="checkbox"/>
103	JJ56D	11/23/06 00:09	98.8	99.3	110.5	97.5	<input checked="" type="checkbox"/>
104	JJ56E	11/23/06 00:12	98.6	99.9	112.3	98.2	<input checked="" type="checkbox"/>
105	JJ56F	11/23/06 00:16	97.1	98.5	109.2	95.7	<input checked="" type="checkbox"/>
106	JJ71QC	11/23/06 00:19	93.3	96.1	109.4	95.4	<input checked="" type="checkbox"/>
107	JJ71QL	11/23/06 00:23	92.8	95.4	112.8	95.0	<input checked="" type="checkbox"/>
108	Rinse	11/23/06 00:26	95.7	96.5	115.4	94.6	<input checked="" type="checkbox"/>
109	JJ71QB	11/23/06 00:30	93.3	97.0	111.0	96.2	<input checked="" type="checkbox"/>
110	CCV 15	11/23/06 00:33	98.3	96.6	118.0	93.5	<input checked="" type="checkbox"/>
111	CCB 15	11/23/06 00:37	98.8	98.2	116.3	94.3	<input checked="" type="checkbox"/>
112	CCV 16	11/23/06 00:40	99.1	96.6	115.7	93.9	<input checked="" type="checkbox"/>
113	CCB 16	11/23/06 00:44	100.2	98.6	116.3	95.1	<input checked="" type="checkbox"/>
114	JJ560	11/23/06 00:47	97.7	99.0	108.9	95.8	<input checked="" type="checkbox"/>
115	JJ560P5	11/23/06 00:51	99.4	98.3	114.5	95.5	<input type="checkbox"/>
116	JJ560X	11/23/06 00:54	97.2	97.8	109.4	95.5	<input checked="" type="checkbox"/>
117	JJ560Z	11/23/06 00:58	92.3	95.6	108.4	92.5	<input checked="" type="checkbox"/>
118	JJ563	11/23/06 01:01	93.3	95.4	108.3	93.1	<input checked="" type="checkbox"/>
119	JJ564	11/23/06 01:05	93.4	94.0	107.8	92.1	<input checked="" type="checkbox"/>
120	JJ566	11/23/06 01:08	93.9	96.0	107.4	92.3	<input checked="" type="checkbox"/>
121	JJ567	11/23/06 01:12	95.4	95.4	110.3	94.1	<input checked="" type="checkbox"/>
122	JJ569	11/23/06 01:15	94.9	96.2	109.7	93.8	<input checked="" type="checkbox"/>
123	JJ57A	11/23/06 01:19	96.3	97.9	111.2	93.5	<input checked="" type="checkbox"/>
124	CCV 17	11/23/06 01:22	98.7	94.0	117.3	89.6	<input checked="" type="checkbox"/>
125	CCB 17	11/23/06 01:26	99.4	97.0	119.0	92.3	<input checked="" type="checkbox"/>
128	CCV 18	11/23/06 01:29	99.5	98.4	99.3	99.2	<input checked="" type="checkbox"/>
129	CCB 18	11/23/06 01:33	100.7	100.7	98.1	99.0	<input checked="" type="checkbox"/>
130	JJ57C	11/23/06 01:36	97.6	101.3	93.0	100.7	<input checked="" type="checkbox"/>
131	JJ57D	11/23/06 01:40	96.8	99.0	92.4	100.9	<input checked="" type="checkbox"/>
132	JJ57E	11/23/06 01:43	97.2	100.1	94.6	100.7	<input checked="" type="checkbox"/>
133	JJ57F	11/23/06 01:47	97.6	100.8	96.3	102.6	<input checked="" type="checkbox"/>
134	JJ57G	11/23/06 01:50	97.6	99.8	91.7	100.1	<input checked="" type="checkbox"/>
135	JJ57H	11/23/06 01:54	95.7	100.7	94.3	100.2	<input checked="" type="checkbox"/>
136	JJ56G	11/23/06 01:57	97.0	99.3	92.1	100.2	<input checked="" type="checkbox"/>
137	JJ56H	11/23/06 02:01	96.8	99.1	94.5	100.6	<input checked="" type="checkbox"/>
138	JJ56J	11/23/06 02:04	95.5	98.2	92.7	98.5	<input checked="" type="checkbox"/>
139	JJ56K	11/23/06 02:08	96.4	99.0	93.0	98.2	<input checked="" type="checkbox"/>
140	CCV 19	11/23/06 02:11	98.1	95.7	98.3	96.0	<input checked="" type="checkbox"/>
141	CCB 19	11/23/06 02:15	101.6	99.6	100.4	97.9	<input checked="" type="checkbox"/>
142	CCV 20	11/23/06 02:18	99.5	97.3	98.8	95.9	<input checked="" type="checkbox"/>
143	CCB 20	11/23/06 02:22	100.5	98.8	98.5	97.6	<input checked="" type="checkbox"/>
144	JJ56L	11/23/06 02:25	97.5	99.8	96.7	100.8	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 12:29:24

File ID: 061122B1R

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
145	JJ56M	11/23/06 02:29	96.7	99.8	92.7	99.3	<input checked="" type="checkbox"/>
146	JJW8JC	11/23/06 02:32	92.7	96.4	96.0	96.8	<input checked="" type="checkbox"/>
147	JJW8JL	11/23/06 02:36	91.1	95.7	96.8	97.0	<input checked="" type="checkbox"/>
148	Rinse	11/23/06 02:39	97.0	98.1	100.8	97.0	<input checked="" type="checkbox"/>
149	JJW8JB	11/23/06 02:43	92.9	97.5	96.1	98.6	<input checked="" type="checkbox"/>
150	JG77J	11/23/06 02:46	92.5	98.3	96.4	98.2	<input checked="" type="checkbox"/>
151	JG77JP5	11/23/06 02:50	96.6	99.7	98.2	97.6	<input type="checkbox"/>
152	JG77JZ	11/23/06 02:53	90.4	95.6	93.6	95.8	<input checked="" type="checkbox"/>
153	JG77L	11/23/06 02:57	90.5	97.3	93.4	97.8	<input checked="" type="checkbox"/>
154	CCV 21	11/23/06 03:00	96.4	96.8	101.0	94.6	<input checked="" type="checkbox"/>
155	CCB 21	11/23/06 03:04	99.4	99.2	101.5	97.1	<input checked="" type="checkbox"/>
156	CCV 22	11/23/06 03:07	97.7	95.4	98.6	94.4	<input checked="" type="checkbox"/>
157	CCB 22	11/23/06 03:11	99.8	97.9	101.1	95.7	<input checked="" type="checkbox"/>
158	JG77M	11/23/06 03:15	95.0	99.2	94.6	98.8	<input checked="" type="checkbox"/>
159	JG77Q	11/23/06 03:18	92.3	96.1	93.4	96.9	<input checked="" type="checkbox"/>
160	JG77T	11/23/06 03:22	93.2	97.2	95.6	99.7	<input checked="" type="checkbox"/>
161	JG77V	11/23/06 03:25	92.1	97.9	93.3	97.7	<input checked="" type="checkbox"/>
162	JG77X	11/23/06 03:29	91.4	96.1	91.1	96.1	<input checked="" type="checkbox"/>
163	JG77Z	11/23/06 03:32	93.2	97.7	93.9	97.9	<input checked="" type="checkbox"/>
164	JH244	11/23/06 03:36	92.8	99.0	93.8	97.0	<input checked="" type="checkbox"/>
165	JH249	11/23/06 03:39	92.3	97.2	93.0	97.7	<input checked="" type="checkbox"/>
166	JH25C	11/23/06 03:42	92.5	96.7	93.8	97.0	<input checked="" type="checkbox"/>
167	JH25D	11/23/06 03:46	92.7	97.4	94.7	97.9	<input checked="" type="checkbox"/>
168	CCV 23	11/23/06 03:49	96.1	94.6	99.9	92.5	<input checked="" type="checkbox"/>
169	CCB 23	11/23/06 03:53	100.4	98.4	102.1	96.2	<input checked="" type="checkbox"/>
172	CCV 24	11/23/06 03:56	98.3	97.5	98.8	98.1	<input checked="" type="checkbox"/>
173	CCB 24	11/23/06 04:00	100.3	100.4	99.1	98.8	<input checked="" type="checkbox"/>
174	JH25J	11/23/06 04:04	96.3	99.7	94.5	101.8	<input checked="" type="checkbox"/>
175	JH25K	11/23/06 04:07	94.5	100.7	94.5	101.7	<input checked="" type="checkbox"/>
176	JH25L	11/23/06 04:10	94.4	100.2	94.3	101.9	<input checked="" type="checkbox"/>
177	JH25N	11/23/06 04:14	94.6	100.9	92.9	102.8	<input checked="" type="checkbox"/>
178	JJKE8C	11/23/06 04:17	91.9	98.9	96.3	101.0	<input checked="" type="checkbox"/>
179	JJKE8L	11/23/06 04:21	90.4	97.2	95.0	97.7	<input checked="" type="checkbox"/>
180	Rinse	11/23/06 04:24	96.2	98.5	100.3	98.1	<input checked="" type="checkbox"/>
181	JJKE8B	11/23/06 04:28	91.2	98.1	94.2	100.1	<input checked="" type="checkbox"/>
182	CCV 25	11/23/06 04:32	97.1	97.1	100.5	96.7	<input checked="" type="checkbox"/>
183	CCB 25	11/23/06 04:35	99.3	100.2	100.6	98.1	<input checked="" type="checkbox"/>
184	CCV 26	11/23/06 04:39	98.1	98.0	101.7	98.4	<input checked="" type="checkbox"/>
185	CCB 26	11/23/06 04:42	99.5	99.0	99.8	98.7	<input checked="" type="checkbox"/>
186	JGWWP	11/23/06 04:46	96.1	101.9	95.1	101.6	<input checked="" type="checkbox"/>
187	JGWWPP5	11/23/06 04:49	97.3	98.6	94.6	97.6	<input type="checkbox"/>
188	JGWWPZ	11/23/06 04:53	92.8	99.6	93.2	101.0	<input checked="" type="checkbox"/>
189	JGWWX	11/23/06 04:56	91.4	98.0	92.5	99.2	<input checked="" type="checkbox"/>
190	JGWW2	11/23/06 05:00	91.7	98.6	93.5	100.1	<input checked="" type="checkbox"/>
191	JGWXD	11/23/06 05:03	92.4	98.8	93.8	101.3	<input checked="" type="checkbox"/>
192	JGWXF	11/23/06 05:07	92.9	99.9	93.6	100.6	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 12:29:24

File ID: 061122B1R

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
193	JGWXG	11/23/06 05:10	92.0	98.4	94.0	101.5	<input checked="" type="checkbox"/>
194	JGWXL	11/23/06 05:14	93.2	100.2	93.2	102.8	<input checked="" type="checkbox"/>
195	JGWXN	11/23/06 05:17	92.6	99.1	91.7	100.6	<input checked="" type="checkbox"/>
196	CCV 27	11/23/06 05:21	97.4	97.0	102.6	97.7	<input checked="" type="checkbox"/>
197	CCB 27	11/23/06 05:24	99.5	101.1	100.8	99.1	<input checked="" type="checkbox"/>
198	CCV 28	11/23/06 05:28	99.2	98.5	101.0	98.6	<input checked="" type="checkbox"/>
199	CCB 28	11/23/06 05:31	102.0	101.0	101.7	99.7	<input checked="" type="checkbox"/>
200	JG3D8	11/23/06 05:35	97.7	102.1	97.6	102.4	<input checked="" type="checkbox"/>
201	JG3EA	11/23/06 05:38	94.9	101.2	95.1	101.7	<input checked="" type="checkbox"/>
202	JG3EC	11/23/06 05:42	95.1	101.6	95.1	103.1	<input checked="" type="checkbox"/>
203	JG3ED	11/23/06 05:45	94.2	100.2	92.6	101.8	<input checked="" type="checkbox"/>
204	JG3EE	11/23/06 05:49	94.8	100.8	94.1	100.6	<input checked="" type="checkbox"/>
205	JG3EF	11/23/06 05:52	93.6	99.1	93.1	101.6	<input checked="" type="checkbox"/>
206	JG3EH	11/23/06 05:56	94.6	101.2	94.4	101.9	<input checked="" type="checkbox"/>
207	JG3EJ	11/23/06 05:59	94.9	100.1	93.9	102.6	<input checked="" type="checkbox"/>
208	JJKH2C	11/23/06 06:03	91.5	98.7	93.6	100.1	<input checked="" type="checkbox"/>
209	JJKH2L	11/23/06 06:06	91.8	99.5	97.9	100.3	<input checked="" type="checkbox"/>
210	CCV 29	11/23/06 06:10	97.8	96.8	103.2	98.2	<input checked="" type="checkbox"/>
211	CCB 29	11/23/06 06:13	101.5	102.2	104.7	101.1	<input checked="" type="checkbox"/>
212	CCV 30	11/23/06 06:17	98.8	98.1	102.1	98.2	<input checked="" type="checkbox"/>
213	CCB 30	11/23/06 06:20	101.3	102.6	103.9	99.8	<input checked="" type="checkbox"/>
214	JJKH2B	11/23/06 06:24	97.0	101.5	99.2	103.2	<input checked="" type="checkbox"/>
215	JHA94	11/23/06 06:27	97.1	102.7	97.0	104.1	<input checked="" type="checkbox"/>
216	JHA94P5	11/23/06 06:31	100.9	103.4	101.3	102.4	<input type="checkbox"/>
217	JHA94Z	11/23/06 06:34	94.6	99.5	93.0	101.1	<input checked="" type="checkbox"/>
218	JHA95	11/23/06 06:38	93.8	100.5	93.4	102.2	<input checked="" type="checkbox"/>
219	JHA96	11/23/06 06:41	93.5	99.9	93.0	102.3	<input checked="" type="checkbox"/>
220	JHA97	11/23/06 06:45	94.6	101.4	91.9	102.9	<input checked="" type="checkbox"/>
221	JHA99	11/23/06 06:48	94.9	101.0	93.6	103.9	<input checked="" type="checkbox"/>
222	JHCAA	11/23/06 06:52	95.4	101.2	94.5	101.8	<input checked="" type="checkbox"/>
223	JHCAC	11/23/06 06:55	95.2	100.9	94.2	103.5	<input checked="" type="checkbox"/>
224	CCV 31	11/23/06 06:59	100.4	99.9	104.9	101.5	<input checked="" type="checkbox"/>
225	CCB 31	11/23/06 07:02	102.8	103.1	104.2	102.4	<input checked="" type="checkbox"/>
228	CCV 32	11/23/06 07:06	99.4	96.7	99.0	99.3	<input checked="" type="checkbox"/>
229	CCB 32	11/23/06 07:09	100.8	99.2	97.9	99.9	<input checked="" type="checkbox"/>
230	JHCAD	11/23/06 07:13	97.0	101.6	93.9	102.3	<input checked="" type="checkbox"/>
231	JHJKC	11/23/06 07:16	96.7	99.6	91.4	103.6	<input checked="" type="checkbox"/>
232	JHJKF	11/23/06 07:19	96.3	100.3	92.4	103.0	<input checked="" type="checkbox"/>
233	JHJKG	11/23/06 07:23	95.7	99.9	91.6	103.1	<input checked="" type="checkbox"/>
234	JHJKH	11/23/06 07:26	95.3	99.9	89.0	101.9	<input checked="" type="checkbox"/>
235	JHJKJ	11/23/06 07:30	95.0	100.0	89.9	101.8	<input checked="" type="checkbox"/>
236	JHJKK	11/23/06 07:33	94.5	99.2	90.3	101.2	<input checked="" type="checkbox"/>
237	JHJKL	11/23/06 07:37	94.1	100.1	90.6	101.7	<input checked="" type="checkbox"/>
238	JHJKN	11/23/06 07:40	95.1	99.2	90.7	103.0	<input checked="" type="checkbox"/>
239	CCV 33	11/23/06 07:44	99.7	97.8	101.9	100.1	<input checked="" type="checkbox"/>
240	CCB 33	11/23/06 07:47	102.0	101.8	100.1	100.5	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 12:29:24

File ID: 061122B1R

Analyst: jonesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
241	CCV 34	11/23/06 07:51	101.1	99.5	100.4	100.0	<input checked="" type="checkbox"/>
242	CCB 34	11/23/06 07:54	103.8	102.5	103.1	102.3	<input checked="" type="checkbox"/>
243	JJL12C	11/23/06 07:58	96.0	101.1	95.9	102.7	<input checked="" type="checkbox"/>
244	JJL12L	11/23/06 08:01	94.2	99.3	95.2	101.2	<input checked="" type="checkbox"/>
245	Rinse	11/23/06 08:05	99.5	100.3	100.5	100.5	<input checked="" type="checkbox"/>
246	JJL12B	11/23/06 08:08	94.5	99.4	93.8	103.2	<input checked="" type="checkbox"/>
247	JHGNW	11/23/06 08:12	93.2	100.9	92.8	103.2	<input checked="" type="checkbox"/>
248	JHGNWP5	11/23/06 08:15	98.9	102.2	98.2	101.1	<input type="checkbox"/>
249	JHGNWZ	11/23/06 08:19	91.5	97.8	90.1	100.7	<input checked="" type="checkbox"/>
250	JHGNX	11/23/06 08:22	92.6	98.2	90.4	101.9	<input checked="" type="checkbox"/>
251	JHGN0	11/23/06 08:26	92.6	98.3	91.2	102.4	<input checked="" type="checkbox"/>
252	JHGN1	11/23/06 08:29	92.9	99.7	91.9	102.9	<input checked="" type="checkbox"/>
253	CCV 35	11/23/06 08:33	99.7	98.8	100.4	100.7	<input checked="" type="checkbox"/>
254	CCB 35	11/23/06 08:36	101.9	101.2	100.6	101.9	<input checked="" type="checkbox"/>
255	CCV 36	11/23/06 08:40	101.2	98.9	101.7	100.3	<input checked="" type="checkbox"/>
256	CCB 36	11/23/06 08:43	104.0	103.6	103.9	103.5	<input checked="" type="checkbox"/>
257	JHPT4	11/23/06 08:47	98.2	101.8	95.9	105.7	<input checked="" type="checkbox"/>
258	JHPT5	11/23/06 08:50	96.4	101.7	94.0	104.0	<input checked="" type="checkbox"/>
259	JHPT7	11/23/06 08:54	96.7	102.3	93.7	106.2	<input checked="" type="checkbox"/>
260	JHPT8	11/23/06 08:57	97.1	101.5	93.4	105.1	<input checked="" type="checkbox"/>
261	JHPT9	11/23/06 09:01	97.1	101.7	91.9	106.0	<input checked="" type="checkbox"/>
262	JHPVA	11/23/06 09:04	96.6	102.5	93.4	106.1	<input checked="" type="checkbox"/>
263	JHPVC	11/23/06 09:08	94.8	100.2	93.8	105.7	<input checked="" type="checkbox"/>
264	JHPVD	11/23/06 09:11	96.9	102.6	94.0	105.3	<input checked="" type="checkbox"/>
265	JJERQ	11/23/06 09:15	96.9	101.7	92.6	105.6	<input checked="" type="checkbox"/>
266	JJERR	11/23/06 09:18	97.0	102.8	92.0	106.2	<input checked="" type="checkbox"/>
267	CCV 37	11/23/06 09:22	103.6	101.2	103.6	103.1	<input checked="" type="checkbox"/>
268	CCB 37	11/23/06 09:25	103.6	103.8	101.0	103.8	<input checked="" type="checkbox"/>
269	CCV 38	11/23/06 09:29	102.8	101.8	100.9	102.7	<input checked="" type="checkbox"/>
270	CCB 38	11/23/06 09:32	105.8	105.7	102.4	104.4	<input checked="" type="checkbox"/>
271	JJERT	11/23/06 09:36	100.3	104.9	95.7	107.3	<input checked="" type="checkbox"/>
272	JJERV	11/23/06 09:39	99.1	103.7	96.7	107.4	<input checked="" type="checkbox"/>
273	JJERW	11/23/06 09:43	97.7	103.8	93.1	106.8	<input checked="" type="checkbox"/>
274	JJERX	11/23/06 09:46	97.9	102.6	93.7	107.4	<input checked="" type="checkbox"/>
275	JJER1	11/23/06 09:50	96.8	102.7	92.0	104.9	<input checked="" type="checkbox"/>
276	JJER2	11/23/06 09:53	98.4	103.5	94.7	107.9	<input checked="" type="checkbox"/>
277	CCV 39	11/23/06 09:57	103.8	102.0	102.9	104.4	<input checked="" type="checkbox"/>
278	CCB 39	11/23/06 10:00	106.3	104.3	103.2	106.1	<input checked="" type="checkbox"/>

STL SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report

File Name: 6321133.mth
File Path: C:\elandata\Method\6321133.mth

Timing Parameters

Sweeps/Reading: 50
Readings/Replicate: 1
Number of Replicates: 3
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
QC Enabled: Yes
Settling Time: Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
Al	26.982	Peak Hopping	1	14.0 ms	700 ms
Cr	51.941	Peak Hopping	1	14.0 ms	700 ms
Mn	54.938	Peak Hopping	1	14.0 ms	700 ms
Co	58.933	Peak Hopping	1	14.0 ms	700 ms
Ni	59.933	Peak Hopping	1	14.0 ms	700 ms
Cu	64.928	Peak Hopping	1	14.0 ms	700 ms
Zn	67.925	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	110.904	Peak Hopping	1	14.0 ms	700 ms
Sb	120.904	Peak Hopping	1	14.0 ms	700 ms
Ba	134.906	Peak Hopping	1	14.0 ms	700 ms
In-1	114.904	Peak Hopping	1	14.0 ms	700 ms
Pb	207.977	Peak Hopping	1	14.0 ms	700 ms
Tm-1	168.934	Peak Hopping	1	14.0 ms	700 ms
Cr	49.946	Peak Hopping	1	5.0 ms	250 ms
Cr	52.941	Peak Hopping	1	5.0 ms	250 ms
Ni	60.931	Peak Hopping	1	5.0 ms	250 ms
Cu	62.930	Peak Hopping	1	5.0 ms	250 ms
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	Peak Hopping	1	5.0 ms	250 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	107.904	Peak Hopping	1	5.0 ms	250 ms
Cd	113.904	Peak Hopping	1	14.0 ms	700 ms
In	114.904	Peak Hopping	1	14.0 ms	700 ms
207.977	207.977	Peak Hopping	1	14.0 ms	700 ms
Pb	206.976	Peak Hopping	1	14.0 ms	700 ms
Pb	205.975	Peak Hopping	1	14.0 ms	700 ms
Tm	168.934	Peak Hopping	1	14.0 ms	700 ms
Pd	105.903	Peak Hopping	1	14.0 ms	700 ms
Kr	82.914	Peak Hopping	1	14.0 ms	700 ms
W	181.948	Peak Hopping	1	5.0 ms	250 ms

Signal Processing

Detector Mode: Dual
Measurement Units: Counts
AutoLens: On

Report Date/Time: Thursday, November 23, 2006 12:58:57

Spectral Peak Processing: Average
 Signal Profile Processing: Average
 Blank Subtraction: After Internal Standard
 Baseline Readings: 0
 Smoothing: Yes, Factor 5

Equations

Analyte	Mass	Corrections
Ni	59.933	-0.005 * Ca 43
Cu	64.928	-0.0078 * Ti 49
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78
Cd	110.904	-1.073 * Pd 108 + 0.712 * Pd 106
In-1	114.904	- 0.014032 * Sn 118
Pb	207.977	+ 1.0 * Pb 207 + 1.0 * Pb 206
Cr	49.946	- 0.739726 * Ti 47 - 0.002506 * V 51
Cd	107.904	- 1.184953 * Pd 105
Cd	113.904	- 0.026826 * Sn 118
In	114.904	- 0.014032 * Sn 118

Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Li-1	6.015	Linear Thru Zero	ug/L	ug/L		100		
Be	9.012	Linear Thru Zero	ug/L	ug/L			5.1e+003	
Al	26.982	Linear Thru Zero	ug/L	ug/L				100
Cr	51.941	Linear Thru Zero	ug/L	ug/L				100
Mn	54.938	Linear Thru Zero	ug/L	ug/L				100
Co	58.933	Linear Thru Zero	ug/L	ug/L				100
Ni	59.933	Linear Thru Zero	ug/L	ug/L				100
Cu	64.928	Linear Thru Zero	ug/L	ug/L				100
Zn	67.925	Linear Thru Zero	ug/L	ug/L				100
As	74.922	Linear Thru Zero	ug/L	ug/L				100
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L				
Cd	110.904	Linear Thru Zero	ug/L	ug/L			100	
Sb	120.904	Linear Thru Zero	ug/L	ug/L			50	
Ba	134.906	Linear Thru Zero	ug/L	ug/L			100	
In-1	114.904	Linear Thru Zero	ug/L	ug/L				
Pb	207.977	Linear Thru Zero	ug/L	ug/L			100	
Tm-1	168.934	Linear Thru Zero	ug/L	ug/L				
Cr	49.946	Linear Thru Zero	ug/L	ug/L			100	
Cr	52.941	Linear Thru Zero	ug/L	ug/L			100	
Ni	60.931	Linear Thru Zero	ug/L	ug/L			100	
Cu	62.930	Linear Thru Zero	ug/L	ug/L			100	
Zn	66.927	Linear Thru Zero	ug/L	ug/L			100	
Zn	65.926	Linear Thru Zero	ug/L	ug/L			100	
Ge	71.922	Linear Thru Zero	ug/L	ug/L				
Cd	107.904	Linear Thru Zero	ug/L	ug/L			100	
Cd	113.904	Linear Thru Zero	ug/L	ug/L			100	
In	114.904	Linear Thru Zero	ug/L	ug/L				
207.972	207.977	Linear Thru Zero	ug/L	ug/L			100	
Pb	206.976	Linear Thru Zero	ug/L	ug/L			100	
Pb	205.975	Linear Thru Zero	ug/L	ug/L			100	
Tm	168.934	Linear Thru Zero	ug/L	ug/L				
Pd	105.903	Linear Thru Zero	ug/L	ug/L			100	
Kr	82.914	Linear Thru Zero	ug/L	ug/L			100	
W	181.948	Linear Thru Zero	ug/L	ug/L				

Report Date/Time: Thursday, November 23, 2006 12:58:57

G6K90149

STL Sacramento (916) 373 - 5600

56 of 276

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M01 – Methods 6020, 200.8

AIR TOX STANDARDS ~ 4 % HNO₃, 0.5 % HCl

Standards for run:

Tuning standard: 2830-25D

Internal standard: 2830-24B

Blank, CCBs: 2531-34G

Standard 1, CCVs: 2830-24D

ICV: 2830-18D

ICSA: 2830-22B

ICSAB: 2830-25A

File Number: 061122B1

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Wednesday, November 22, 2006 12:12:37

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1576	0.711	2032	
Be	9.012	9.079	2067	0.722	2018	
Co	58.933	58.929	14295	0.719	1890	
In	114.904	114.879	27956	0.719	1852	
Ce	139.905	139.928	34030	0.717	1896	
Tl	204.975	204.979	49740	0.709	2114	
Pb	207.977	207.978	50476	0.706	2133	
U	238.050	238.025	57679	0.709	2293	

Report Date/Time: Wednesday, November 22, 2006 16:02:43

Elan 6000 Instrument Optimization Report

File Name c:\elandata\Optimize\default.dac

Path c:\elandata\Optimize

Sample Information

Sample Date/Time: Wednesday, November 22, 2006 12:12:37

Sample ID: TUNE BJONES

Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	5.8
ICP RF Power	1100.0
Analog Stage Voltage	-2000.0
Pulse Stage Voltage	1400.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0

AutoLens Calibration

Date: 12:18:06 Wed 22-Nov-06

Sample Filename: AUTOLENS BJONES.002

Dataset Pathname: 061122A1\

Lens Voltage Start:	3.50 V
Lens Voltage End:	7.50 V
Lens Voltage Step:	0.25 V
Slope:	0.0141
Intercept:	3.9764

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	4.0 V	5758 cps	17
Co	58.933	5.0 V	263510 cps	17
In	114.904	5.5 V	479594 cps	17

Dual Detector Calibration

Date: 17:37:42 Tue 21-Nov-06

Sample Filename: DUAL BJONES.786

Dataset Pathname: dual detector calibration\

Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.015	6125	2.04e+009 cps
Li	7.016	5687	2.20e+009 cps
Be	9.012	5272	2.37e+009 cps
B	11.009	5560	2.25e+009 cps
Na	22.990	5499	2.28e+009 cps

Report Date/Time: Wednesday, November 22, 2006 16:02:51

STL SACRAMENTO - Elan 6000 ICPMS, M01 - Methods 6020, 200.8

Mg	23.985	5177 2.42e+009 cps
Mg	24.986	4973 2.52e+009 cps
Al	26.982	4906 2.55e+009 cps
P	30.994	4449 2.81e+009 cps
K	38.964	4364 2.87e+009 cps
Ca	42.959	4370 2.86e+009 cps
Ca	43.956	4314 2.90e+009 cps
Sc	44.956	4318 2.90e+009 cps
V	50.944	4227 2.96e+009 cps
Cr	51.941	4097 3.06e+009 cps
Fe	53.940	4103 3.05e+009 cps
Mn	54.938	4024 3.11e+009 cps
Fe	56.935	3877 3.23e+009 cps
Co	58.933	3910 3.20e+009 cps
Ni	59.933	3813 3.28e+009 cps
Cu	62.930	3734 3.35e+009 cps
Cu	64.928	3754 3.33e+009 cps
Zn	67.925	3801 3.29e+009 cps
Ge	71.922	3767 3.32e+009 cps
As	74.922	3720 3.37e+009 cps
Se	77.917	3863 3.24e+009 cps
Br	78.918	cps
Se	81.917	3724 3.36e+009 cps
Sr	87.906	3727 3.36e+009 cps
Mo	96.906	3759 3.33e+009 cps
Ag	106.905	3394 3.69e+009 cps
Ag	108.905	3383 3.70e+009 cps
Cd	110.904	3548 3.53e+009 cps
Cd	113.904	3536 3.54e+009 cps
In	114.904	3544 3.53e+009 cps
Sn	117.902	3586 3.49e+009 cps
Sb	120.904	3525 3.55e+009 cps
Ba	134.906	3496 3.58e+009 cps
Tm	168.934	3369 3.72e+009 cps
Tl	204.975	3227 3.88e+009 cps
Pb	207.977	3243 3.86e+009 cps
Bi	208.980	cps
U	238.050	3223 3.88e+009 cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES

Sample Date/Time: Wednesday, November 22, 2006 12:20:44

Sample Description:

Sample File: C:\elandata\Sample\6321025R.sam

Method File: C:\elandata\Method\000-DAILY_EPA.mth

Dataset File: C:\elandata\Dataset\061122A1\DJAILY BJONES.003

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Number of Replicates: 5

Dual Detector Mode: Dual

Summary

Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
Mg	24	79357.460	1451.236	1.829
Rh	103	350176.000	2873.352	0.821
Pb	208	189671.210	2406.194	1.269
[> Ba	138	368814.042	3678.345	0.997
[< Ba++	69	0.026	0.000	1.811
[> Ce	140	438918.179	935.643	0.213
[< CeO	156	0.030	0.001	2.566
Bkgd	220	5.429	2.119	39.033
Li	7	15862.920	342.217	2.157
Be	9	5418.318	160.734	2.966
Co	59	198230.959	1555.756	0.785
In	115	454988.931	3241.283	0.712
Tl	205	275402.871	3334.091	1.211

SOP No. SAC-MT-0001

BJones

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 17:40:43

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\Rinse.001

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1					618560.827	ug/L	247022.469	
9 Be	0.002646	231.364			2.333	ug/L	0.667	
27 Al	-12.326167	9.295			45495.896	ug/L	28302.056	
52 Cr	-0.290596	14.718			19031.019	ug/L	5011.768	
55 Mn	-0.175855	2.652			1536.468	ug/L	1046.729	
59 Co	0.001503	20.879			90.334	ug/L	14.667	
60 Ni	-0.067915	5.809			98.750	ug/L	76.717	
65 Cu	-0.036933	17.647			263.201	ug/L	90.074	
68 Zn	-1.606557	4.656			2733.761	ug/L	1045.396	
75 As	-5.616752	6.215			14491.060	ug/L	6981.819	
72 Ge-1					1545066.909	ug/L	345349.437	
111 Cd	-0.003943	49.826			85.184	ug/L	24.164	
121 Sb	0.003975	7.093			149.668	ug/L	28.333	
135 Ba	-0.026783	25.140			291.338	ug/L	92.667	
115 In-1					1687589.080	ug/L	422066.967	
208 Pb	-0.022182	3.071			744.679	ug/L	401.004	
169 Tm-1					1332445.813	ug/L	336428.803	
50 Cr	0.297978	42.517			-267.159	ug/L	-77.107	
53 Cr	-20.211406	7.193			28288.194	ug/L	8805.395	
61 Ni	11.781584	22.162			2541.703	ug/L	412.694	
63 Cu	-0.042842	3.076			173.005	ug/L	66.001	
67 Zn	-15.095539	5.129			1660.108	ug/L	732.419	
66 Zn	-1.061626	2.545			897.796	ug/L	342.353	
72 Ge					1545066.909	ug/L	345349.437	
108 Cd	-0.096402	23.306			17.027	ug/L	9.137	
114 Cd	-0.016264	24.190			216.867	ug/L	81.468	
115 In					1687589.080	ug/L	422066.967	
208 207.977	-0.022151	3.509			380.675	ug/L	205.669	
207 Pb	-0.023558	6.898			155.335	ug/L	86.667	
206 Pb	-0.021190	6.242			208.669	ug/L	108.667	
169 Tm					1332445.813	ug/L	336428.803	
106 Pd	0.197801	85.167			34.667	ug/L	22.333	
83 Kr	3670.056386	20.649			390.675	ug/L	146.001	
182 W					4.000	ug/L	0.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
---------	------	--------------------

[> Li-1 6 250.407

[Be 9

[Al 27

[Cr 52

[Mn 55

[Co 59

[Ni 60

[Cu 65

[Zn 68

[As 75

[> Ge-1 72 447.392

[Cd 111

[Sb 121

[Ba 135

[> In-1 115 399.839

[Pb 208

[> Tm-1 169 396.056

[Cr 50

[Cr 53

[Ni 61

[Cu 63

[Zn 67

[Zn 66

[> Ge 72 447.392

[Cd 108

[Cd 114

[> In 115 399.839

[207.977 208

[Pb 207

[Pb 206

[> Tm 169 396.056

Pd 106

Kr 83

W 182

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Wednesday, November 22, 2006 17:44:50
Method File: C:\elandata\Method\6321133.mth
Dataset File: c:\elandata\dataset\061122b1\Blank.002
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			662549.582	ug/L	
9 Be			2.667	ug/L	
27 Al			109698.073	ug/L	
52 Cr			18225.965	ug/L	
55 Mn			3420.669	ug/L	
59 Co			73.334	ug/L	
60 Ni			187.632	ug/L	
65 Cu			275.978	ug/L	
68 Zn			2065.244	ug/L	
75 As			14612.198	ug/L	
72 Ge-1			1636059.066	ug/L	
111 Cd			39.786	ug/L	
121 Sb			172.002	ug/L	
135 Ba			324.339	ug/L	
115 In-1			1748778.775	ug/L	
208 Pb			938.686	ug/L	
169 Tm-1			1297351.469	ug/L	
50 Cr			-253.029	ug/L	
53 Cr			27338.540	ug/L	
61 Ni			2459.969	ug/L	
63 Cu			204.340	ug/L	
67 Zn			1457.673	ug/L	
66 Zn			570.719	ug/L	
72 Ge			1636059.066	ug/L	
108 Cd			34.781	ug/L	
114 Cd			137.294	ug/L	
115 In			1748778.775	ug/L	
208 207.977			475.346	ug/L	
207 Pb			203.002	ug/L	
206 Pb			260.337	ug/L	
169 Tm			1297351.469	ug/L	
106 Pd			49.667	ug/L	
83 Kr			357.674	ug/L	
182 W			6.667	ug/L	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

[> Li-1	6
[Be	9
[Al	27
Cr	52
Mn	55
Co	59
Ni	60
Cu	65
Zn	68
As	75
[> Ge-1	72
[Cd	111
Sb	121
Ba	135
[> In-1	115
[Pb	208
[> Tm-1	169
[Cr	50
Cr	53
Ni	61
Cu	63
Zn	67
Zn	66
[> Ge	72
[Cd	108
Cd	114
[> In	115
[207.977	208
Pb	207
Pb	206
[> Tm	169
Pd	106
Kr	83
W	182

SOP No. SAC-MT-0001

BJones

Sample ID: Standard 1

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 17:48:52

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\Standard 1.003

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			689936.004	ug/L	662549.582
9 Be	100.000000	1.719	30391.361	ug/L	2.667
27 Al	5100.000000	2.306	33290932.901	ug/L	109698.073
52 Cr	100.000000	1.680	952123.645	ug/L	18225.965
55 Mn	100.000000	1.814	1476521.938	ug/L	3420.669
59 Co	100.000000	1.694	1113776.417	ug/L	73.334
60 Ni	100.000000	1.177	236831.360	ug/L	187.632
65 Cu	100.000000	1.010	247260.639	ug/L	275.978
68 Zn	100.000000	1.303	98615.979	ug/L	2065.244
75 As	100.000000	1.134	246795.023	ug/L	14612.198
72 Ge-1			1679608.280	ug/L	1636059.066
111 Cd	100.000000	2.269	229198.546	ug/L	39.786
121 Sb	50.000000	1.823	349102.460	ug/L	172.002
135 Ba	100.000000	1.957	230064.997	ug/L	324.339
115 In-1			1744803.142	ug/L	1748778.775
208 Pb	100.000000	2.391	2488129.234	ug/L	938.686
169 Tm-1			1261663.419	ug/L	1297351.469
50 Cr	100.000000	7.723	22634.023	ug/L	-253.029
53 Cr	100.000000	5.972	68616.716	ug/L	27338.540
61 Ni	100.000000	7.014	6407.900	ug/L	2459.969
63 Cu	100.000000	1.117	180528.441	ug/L	204.340
67 Zn	100.000000	2.354	9343.620	ug/L	1457.673
66 Zn	100.000000	1.612	46206.467	ug/L	570.719
72 Ge			1679608.280	ug/L	1636059.066
108 Cd	100.000000	1.451	16201.656	ug/L	34.781
114 Cd	100.000000	1.938	522750.184	ug/L	137.294
115 In			1744803.142	ug/L	1748778.775
208 207.977	100.000000	2.883	1252978.030	ug/L	475.346
207 Pb	100.000000	2.333	523370.453	ug/L	203.002
206 Pb	100.000000	1.723	711780.752	ug/L	260.337
169 Tm			1261663.419	ug/L	1297351.469
106 Pd	100.000000	0.392	21473.317	ug/L	49.667
83 Kr	100.000000	52.801	411.010	ug/L	357.674
182 W			84.334	ug/L	6.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
---------	------	--------------------

> Li-1	6
Be	9
> Al	27
Cr	52
Mn	55
Co	59
Ni	60
Cu	65
Zn	68
As	75
> Ge-1	72
Cd	111
Sb	121
Ba	135
> In-1	115
Pb	208
> Tm-1	169
Cr	50
Cr	53
Ni	61
Cu	63
Zn	67
Zn	66
> Ge	72
Cd	108
Cd	114
> In	115
207.977	208
Pb	207
Pb	206
> Tm	169
Pd	106
Kr	83
W	182

Sample ID: ICV

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 17:52:32

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\ICV.004

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 3

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			743195.421	ug/L	662549.582
9 Be	79.054141	0.754	25882.223	ug/L	2.667
27 Al	776.816766	0.621	5299817.974	ug/L	109698.073
52 Cr	78.804070	1.121	773772.304	ug/L	18225.965
55 Mn	81.448080	0.957	1234324.917	ug/L	3420.669
59 Co	79.497907	0.176	908322.302	ug/L	73.334
60 Ni	78.844169	0.982	191586.873	ug/L	187.632
65 Cu	78.811294	0.372	199952.900	ug/L	275.978
68 Zn	79.632515	0.294	80997.505	ug/L	2065.244
75 As	75.677400	0.471	195326.549	ug/L	14612.198
72 Ge-1			1722768.120	ug/L	1636059.066
111 Cd	78.390939	0.252	184090.621	ug/L	39.786
121 Sb	37.977053	1.767	271659.836	ug/L	172.002
135 Ba	74.841285	0.657	176485.419	ug/L	324.339
115 In-1			1787125.763	ug/L	1748778.775
208 Pb	84.300107	1.055	2051279.090	ug/L	938.686
169 Tm-1			1233660.115	ug/L	1297351.469
50 Cr	68.791044	6.784	15882.380	ug/L	-253.029
53 Cr	77.647994	5.142	61099.128	ug/L	27338.540
61 Ni	71.699347	3.748	5447.078	ug/L	2459.969
63 Cu	78.159351	0.752	144787.748	ug/L	204.340
67 Zn	78.604538	2.491	7861.546	ug/L	1457.673
66 Zn	79.172491	1.519	37650.135	ug/L	570.719
72 Ge			1722768.120	ug/L	1636059.066
108 Cd	76.271878	0.757	12667.129	ug/L	34.781
114 Cd	78.537456	0.168	420648.053	ug/L	137.294
115 In			1787125.763	ug/L	1748778.775
208 207.977	83.982518	1.297	1029107.709	ug/L	475.346
207 Pb	84.368610	0.796	431841.037	ug/L	203.002
206 Pb	84.808825	1.004	590330.344	ug/L	260.337
169 Tm			1233660.115	ug/L	1297351.469
106 Pd	79.853207	0.622	17157.138	ug/L	49.667
83 Kr	84.999921	32.495	403.009	ug/L	357.674
182 W			21.667	ug/L	6.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[> Li-1	6	112.172
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	105.300
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	102.193
Pb	208	
[> Tm-1	169	95.091
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	105.300
Cd	108	
Cd	114	
[> In	115	102.193
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	95.091
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: ICB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 17:56:18

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\ICB.005

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1			753670.017	ug/L	662549.582	
9 Be	-0.001193	576.799	2.667	ug/L	2.667	
27 Al	-0.050364	423.004	114483.414	ug/L	109698.073	
52 Cr	0.018204	101.177	19250.152	ug/L	18225.965	
55 Mn	0.006377	121.760	3675.772	ug/L	3420.669	
59 Co	0.001083	99.734	89.000	ug/L	73.334	
60 Ni	-0.003041	42.121	189.049	ug/L	187.632	
65 Cu	-0.011459	31.746	259.973	ug/L	275.978	
68 Zn	-0.114512	98.764	2048.573	ug/L	2065.244	
75 As	-0.242466	62.631	14720.113	ug/L	14612.198	
72 Ge-1			1712531.935	ug/L	1636059.066	
111 Cd	0.002472	214.985	46.150	ug/L	39.786	
121 Sb	0.294658	10.711	2265.962	ug/L	172.002	
135 Ba	-0.020777	41.655	280.338	ug/L	324.339	
115 In-1			1772924.135	ug/L	1748778.775	
208 Pb	0.004759	42.989	997.689	ug/L	938.686	
169 Tm-1			1220641.892	ug/L	1297351.469	
50 Cr	0.091791	79.045	-243.336	ug/L	-253.029	
53 Cr	-2.007756	17.766	27785.993	ug/L	27338.540	
61 Ni	-3.092962	24.726	2452.295	ug/L	2459.969	
63 Cu	-0.001940	83.816	210.340	ug/L	204.340	
67 Zn	-1.237223	56.534	1426.993	ug/L	1457.673	
66 Zn	-0.167404	63.351	519.377	ug/L	570.719	
72 Ge			1712531.935	ug/L	1636059.066	
108 Cd	-0.036918	191.849	29.164	ug/L	34.781	
114 Cd	-0.001285	17.179	132.349	ug/L	137.294	
115 In			1772924.135	ug/L	1748778.775	
208 207.977	0.006204	43.433	522.349	ug/L	475.346	
207 Pb	0.001913	149.103	200.669	ug/L	203.002	
206 Pb	0.004310	31.659	274.671	ug/L	260.337	
169 Tm			1220641.892	ug/L	1297351.469	
106 Pd	-0.009336	505.800	47.667	ug/L	49.667	
83 Kr	86.874918	23.741	404.009	ug/L	357.674	
182 W			3.000	ug/L	6.667	

Report Date/Time: Wednesday, November 22, 2006 17:57:53

Page 1

G6K09014\$ Sample ID: ICB

STL Sacramento (916) 373 - 5600

70 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[> Li-1	6	113.753
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	104.674
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	101.381
Pb	208	
[> Tm-1	169	94.087
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	104.674
Cd	108	
Cd	114	
[> In	115	101.381
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	94.087
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: LLSTD 10X

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:00:08

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\LLSTD 10X.006

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 9

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			822784.968	ug/L	662549.582
9 Be	0.856266	7.210	313.672	ug/L	2.667
27 Al	41.154002	0.498	412783.806	ug/L	109698.073
52 Cr	1.006014	4.165	30496.730	ug/L	18225.965
55 Mn	1.152216	0.953	22230.874	ug/L	3420.669
59 Co	1.016583	2.256	12368.738	ug/L	73.334
60 Ni	0.998919	4.638	2774.198	ug/L	187.632
65 Cu	1.075268	1.206	3189.579	ug/L	275.978
68 Zn	10.688636	1.645	13493.731	ug/L	2065.244
75 As	-0.114393	148.556	15991.295	ug/L	14612.198
72 Ge-1			1822646.636	ug/L	1636059.066
111 Cd	0.868792	5.006	2334.598	ug/L	39.786
121 Sb	0.513315	3.003	4317.065	ug/L	172.002
135 Ba	0.839315	3.199	2590.384	ug/L	324.339
115 In-1			2006274.493	ug/L	1748778.775
208 Pb	1.072007	0.398	29070.817	ug/L	938.686
169 Tm-1			1329806.549	ug/L	1297351.469
50 Cr	1.805176	0.696	166.487	ug/L	-253.029
53 Cr	-4.884014	11.101	28306.635	ug/L	27338.540
61 Ni	3.560424	83.690	2890.671	ug/L	2459.969
63 Cu	1.095896	1.293	2372.233	ug/L	204.340
67 Zn	6.908138	4.500	2212.116	ug/L	1457.673
66 Zn	11.135454	0.875	6149.044	ug/L	570.719
72 Ge			1822646.636	ug/L	1636059.066
108 Cd	0.573238	2.646	146.487	ug/L	34.781
114 Cd	0.874501	1.767	5414.263	ug/L	137.294
115 In			2006274.493	ug/L	1748778.775
208 207.977	1.083546	0.837	14795.166	ug/L	475.346
207 Pb	1.039084	0.951	5939.015	ug/L	203.002
206 Pb	1.075902	0.563	8336.636	ug/L	260.337
169 Tm			1329806.549	ug/L	1297351.469
106 Pd	0.838650	9.185	229.336	ug/L	49.667
83 Kr	88.749915	7.617	405.009	ug/L	357.674
182 W			10.000	ug/L	6.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[> Li-1	6	124.185
Be	9	
[Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	111.405
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	114.724
Pb	208	
[> Tm-1	169	102.502
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	111.405
Cd	108	
Cd	114	
[> In	115	114.724
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	102.502
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: LLSTD 5X

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:03:22

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\LLSTD 5X.007

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 10

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1			819158.362	ug/L	662549.582	
9 Be	1.787824	1.998	648.357	ug/L	2.667	
27 Al	91.673485	1.233	765126.887	ug/L	109698.073	
52 Cr	1.908490	2.323	39414.245	ug/L	18225.965	
55 Mn	2.226319	1.285	39179.195	ug/L	3420.669	
59 Co	1.998226	0.820	24097.471	ug/L	73.334	
60 Ni	2.047951	1.634	5437.519	ug/L	187.632	
65 Cu	2.095439	2.043	5890.298	ug/L	275.978	
68 Zn	15.138512	1.120	18051.268	ug/L	2065.244	
75 As	0.881318	16.051	18391.060	ug/L	14612.198	
72 Ge-1			1812341.229	ug/L	1636059.066	
111 Cd	1.717206	1.811	4645.709	ug/L	39.786	
121 Sb	0.882136	0.573	7395.124	ug/L	172.002	
135 Ba	1.667031	1.949	4854.013	ug/L	324.339	
115 In-1			2038801.140	ug/L	1748778.775	
208 Pb	2.119632	1.506	56875.406	ug/L	938.686	
169 Tm-1			1337751.752	ug/L	1297351.469	
50 Cr	3.039134	4.237	470.303	ug/L	-253.029	
53 Cr	-6.676542	26.226	27361.661	ug/L	27338.540	
61 Ni	4.516872	21.258	2914.359	ug/L	2459.969	
63 Cu	2.078388	1.835	4270.583	ug/L	204.340	
67 Zn	11.577907	4.065	2595.077	ug/L	1457.673	
66 Zn	15.645500	1.074	8334.433	ug/L	570.719	
72 Ge			1812341.229	ug/L	1636059.066	
108 Cd	1.339137	5.866	293.567	ug/L	34.781	
114 Cd	1.731142	0.605	10734.652	ug/L	137.294	
115 In			2038801.140	ug/L	1748778.775	
208 207.977	2.146614	2.379	29002.666	ug/L	475.346	
207 Pb	2.076873	1.422	11732.863	ug/L	203.002	
206 Pb	2.103574	2.568	16139.876	ug/L	260.337	
169 Tm			1337751.752	ug/L	1297351.469	
106 Pd	1.962065	10.714	470.013	ug/L	49.667	
83 Kr	35.624940	153.476	376.675	ug/L	357.674	
182 W			4.333	ug/L	6.667	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	123.637
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	110.775
Cd	111	
Sb	121	
Ba	135	
In-1	115	116.584
Pb	208	
Tm-1	169	103.114
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	110.775
Cd	108	
Cd	114	
In	115	116.584
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.114
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:09:25

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\ICSA.008

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			541540.429	ug/L	662549.582
9 Be	0.033927	31.760	10.333	ug/L	2.667
27 Al	111921.020916	0.588	604671664.695	ug/L	109698.073
52 Cr	3.583998	6.251	43319.794	ug/L	18225.965
55 Mn	5.255228	0.802	67191.022	ug/L	3420.669
59 Co	2.820994	1.172	26150.695	ug/L	73.334
60 Ni	3.407152	4.818	6854.163	ug/L	187.632
65 Cu	0.258254	89.263	766.738	ug/L	275.978
68 Zn	2.194317	4.727	3518.708	ug/L	2065.244
75 As	0.946899	44.676	14277.753	ug/L	14612.198
72 Ge-1			1394435.761	ug/L	1636059.066
111 Cd	0.447597	29.242	839.004	ug/L	39.786
121 Sb	0.342114	0.676	2017.566	ug/L	172.002
135 Ba	0.874598	2.545	1839.527	ug/L	324.339
115 In-1			1375355.593	ug/L	1748778.775
208 Pb	0.756974	1.150	16330.241	ug/L	938.686
169 Tm-1			1043596.712	ug/L	1297351.469
50 Cr	192.097038	7.710	36274.560	ug/L	-253.029
53 Cr	45.040639	5.124	38468.693	ug/L	27338.540
61 Ni	48.234864	7.477	3652.802	ug/L	2459.969
63 Cu	5.181786	1.513	7932.726	ug/L	204.340
67 Zn	29.389231	4.677	3156.594	ug/L	1457.673
66 Zn	7.297277	4.027	3251.025	ug/L	570.719
72 Ge			1394435.761	ug/L	1636059.066
108 Cd	69.301931	5.074	8862.581	ug/L	34.781
114 Cd	3.968330	3.282	16462.511	ug/L	137.294
115 In			1375355.593	ug/L	1748778.775
208 207.977	0.783350	2.023	8498.792	ug/L	475.346
207 Pb	0.749404	0.937	3406.997	ug/L	203.002
206 Pb	0.716110	2.078	4424.452	ug/L	260.337
169 Tm			1043596.712	ug/L	1297351.469
106 Pd	1.551284	7.321	382.008	ug/L	49.667
83 Kr	828.768381	8.467	799.703	ug/L	357.674
182 W			852.116	ug/L	6.667

Report Date/Time: Wednesday, November 22, 2006 18:10:58

Page 1

G6K090141 Sample ID: ICSA

STL Sacramento (916) 373 - 5600

76 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	81.736
Be	9	
> Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	85.231
Cd	111	
Sb	121	
Ba	135	
> In-1	115	78.647
Pb	208	
> Tm-1	169	80.441
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	85.231
Cd	108	
Cd	114	
> In	115	78.647
207.977	208	
Pb	207	
Pb	206	
> Tm	169	80.441
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:13:08

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\ICSAB.009

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			521071.655	ug/L	662549.582
9 Be	100.175240	0.624	22993.520	ug/L	2.667
27 Al	111143.788996	1.230	613765507.664	ug/L	109698.073
52 Cr	112.589420	0.936	907753.772	ug/L	18225.965
55 Mn	110.287927	1.030	1381601.675	ug/L	3420.669
59 Co	109.067988	0.987	1030928.879	ug/L	73.334
60 Ni	105.466716	0.167	211963.724	ug/L	187.632
65 Cu	95.062241	0.216	199481.548	ug/L	275.978
68 Zn	93.269146	0.277	78175.346	ug/L	2065.244
75 As	106.700100	0.330	222617.679	ug/L	14612.198
72 Ge-1			1425252.492	ug/L	1636059.066
111 Cd	98.765677	0.820	184371.765	ug/L	39.786
121 Sb	53.143279	0.301	302155.154	ug/L	172.002
135 Ba	111.004208	0.783	207963.784	ug/L	324.339
115 In-1			1420675.557	ug/L	1748778.775
208 Pb	90.209424	1.024	1869746.381	ug/L	938.686
169 Tm-1			1050801.544	ug/L	1297351.469
50 Cr	274.579934	4.779	53098.298	ug/L	-253.029
53 Cr	142.646851	3.308	72930.640	ug/L	27338.540
61 Ni	155.219554	1.661	7259.423	ug/L	2459.969
63 Cu	102.133434	0.529	156464.331	ug/L	204.340
67 Zn	125.672245	0.702	9638.175	ug/L	1457.673
66 Zn	100.518178	0.586	39414.367	ug/L	570.719
72 Ge			1425252.492	ug/L	1636059.066
108 Cd	170.137793	0.853	22427.816	ug/L	34.781
114 Cd	102.223144	0.372	435207.189	ug/L	137.294
115 In			1420675.557	ug/L	1748778.775
208 207.977	90.057490	0.926	940007.026	ug/L	475.346
207 Pb	89.901611	1.027	391957.715	ug/L	203.002
206 Pb	90.703230	1.315	537781.640	ug/L	260.337
169 Tm			1050801.544	ug/L	1297351.469
106 Pd	81.137819	1.076	17432.349	ug/L	49.667
83 Kr	940.649075	7.909	859.376	ug/L	357.674
182 W			891.794	ug/L	6.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	78.646
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	87.115
Cd	111	
Sb	121	
Ba	135	
In-1	115	81.238
Pb	208	
Tm-1	169	80.996
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	87.115
Cd	108	
Cd	114	
In	115	81.238
207.977	208	
Pb	207	
Pb	206	
Tm	169	80.996
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:17:14

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\Rinse.010

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			735426.405	ug/L	662549.582
9 Be	-0.003975	118.574	1.667	ug/L	2.667
27 Al	-8.518174	3.465	70601.481	ug/L	109698.073
52 Cr	0.863712	21.184	33044.742	ug/L	18225.965
55 Mn	-0.119849	2.229	2155.599	ug/L	3420.669
59 Co	0.002189	30.446	123.001	ug/L	73.334
60 Ni	-0.043312	9.211	111.331	ug/L	187.632
65 Cu	-0.001228	546.056	345.994	ug/L	275.978
68 Zn	0.684708	5.826	3433.340	ug/L	2065.244
75 As	0.339946	20.665	19493.253	ug/L	14612.198
72 Ge-1			2073688.426	ug/L	1636059.066
111 Cd	0.002493	320.602	52.959	ug/L	39.786
121 Sb	-0.004862	21.912	160.668	ug/L	172.002
135 Ba	-0.017918	12.138	329.673	ug/L	324.339
115 In-1			2036804.434	ug/L	1748778.775
208 Pb	-0.003922	32.898	846.683	ug/L	938.686
169 Tm-1			1310527.413	ug/L	1297351.469
50 Cr	-0.238994	64.792	-388.036	ug/L	-253.029
53 Cr	7.600250	49.734	38448.003	ug/L	27338.540
61 Ni	-0.494477	427.515	3093.865	ug/L	2459.969
63 Cu	0.015122	34.438	292.680	ug/L	204.340
67 Zn	0.487962	369.727	1893.910	ug/L	1457.673
66 Zn	0.598627	6.015	1060.513	ug/L	570.719
72 Ge			2073688.426	ug/L	1636059.066
108 Cd	0.023807	114.643	44.991	ug/L	34.781
114 Cd	0.004528	29.278	187.506	ug/L	137.294
115 In			2036804.434	ug/L	1748778.775
208 207.977	-0.003180	55.852	438.678	ug/L	475.346
207 Pb	-0.006440	31.041	170.002	ug/L	203.002
206 Pb	-0.003378	20.020	238.003	ug/L	260.337
169 Tm			1310527.413	ug/L	1297351.469
106 Pd	-0.048234	112.995	39.333	ug/L	49.667
83 Kr	267.501337	17.373	500.348	ug/L	357.674
182 W			10.333	ug/L	6.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	110.999
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	126.749
Cd	111	
Sb	121	
Ba	135	
In-1	115	116.470
Pb	208	
Tm-1	169	101.016
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	126.749
Cd	108	
Cd	114	
In	115	116.470
207.977	208	
Pb	207	
Pb	206	
Tm	169	101.016
Pd	106	
Kr	83	
W	182	

Sample ID: CCV 1

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:21:01

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 1.011

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			808953.371	ug/L	662549.582
9 Be	103.503709	2.585	36873.200	ug/L	2.667
27 Al	4771.048474	1.910	39137035.561	ug/L	109698.073
52 Cr	99.252848	0.863	1187571.694	ug/L	18225.965
55 Mn	102.822680	0.876	1907405.043	ug/L	3420.669
59 Co	98.650310	1.627	1380450.758	ug/L	73.334
60 Ni	100.739821	0.513	299770.042	ug/L	187.632
65 Cu	97.258177	1.006	302149.903	ug/L	275.978
68 Zn	99.818130	1.358	123675.583	ug/L	2065.244
75 As	99.748376	0.825	309347.110	ug/L	14612.198
72 Ge-1			2110254.883	ug/L	1636059.066
111 Cd	101.399450	0.757	260978.884	ug/L	39.786
121 Sb	50.051267	0.853	392357.459	ug/L	172.002
135 Ba	93.901917	0.210	242604.605	ug/L	324.339
115 In-1			1958723.507	ug/L	1748778.775
208 Pb	101.799504	0.993	2626443.435	ug/L	938.686
169 Tm-1			1308057.336	ug/L	1297351.469
50 Cr	102.735136	1.763	29221.815	ug/L	-253.029
53 Cr	89.991675	3.192	81121.445	ug/L	27338.540
61 Ni	91.967790	2.042	7661.046	ug/L	2459.969
63 Cu	98.593088	0.798	223633.660	ug/L	204.340
67 Zn	96.371589	1.966	11379.682	ug/L	1457.673
66 Zn	98.948899	1.643	57447.902	ug/L	570.719
72 Ge			2110254.883	ug/L	1636059.066
108 Cd	101.228476	0.847	18413.844	ug/L	34.781
114 Cd	100.795727	0.833	591650.685	ug/L	137.294
115 In			1958723.507	ug/L	1748778.775
208 207.977	101.836275	0.933	1323142.434	ug/L	475.346
207 Pb	101.793545	1.284	552434.300	ug/L	203.002
206 Pb	101.739153	0.965	750866.701	ug/L	260.337
169 Tm			1308057.336	ug/L	1297351.469
106 Pd	114.088393	1.131	24491.565	ug/L	49.667
83 Kr	358.127747	6.290	548.684	ug/L	357.674
182 W			92.335	ug/L	6.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	122.097
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	128.984
Cd	111	
Sb	121	
Ba	135	
In-1	115	112.005
Pb	208	
Tm-1	169	100.825
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	128.984
Cd	108	
Cd	114	
In	115	112.005
207.977	208	
Pb	207	
Pb	206	
Tm	169	100.825
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 1

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:24:48

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 1.012

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			854235.854	ug/L	662549.582
9 Be	0.000568	1070.488	3.667	ug/L	2.667
27 Al	-0.756538	22.127	134965.982	ug/L	109698.073
52 Cr	0.360930	23.722	27671.053	ug/L	18225.965
55 Mn	0.006780	13.787	4526.170	ug/L	3420.669
59 Co	0.001575	81.899	116.334	ug/L	73.334
60 Ni	-0.007772	40.539	218.354	ug/L	187.632
65 Cu	-0.007895	63.763	330.637	ug/L	275.978
68 Zn	-0.200450	14.278	2414.667	ug/L	2065.244
75 As	0.023407	698.407	18867.308	ug/L	14612.198
72 Ge-1			2104942.104	ug/L	1636059.066
111 Cd	0.001852	175.884	49.935	ug/L	39.786
121 Sb	0.152642	14.718	1405.114	ug/L	172.002
135 Ba	-0.026031	12.862	299.672	ug/L	324.339
115 In-1			1982073.555	ug/L	1748778.775
208 Pb	0.004911	3.504	1090.359	ug/L	938.686
169 Tm-1			1329102.281	ug/L	1297351.469
50 Cr	0.073019	191.895	-304.545	ug/L	-253.029
53 Cr	-9.569496	24.685	30306.384	ug/L	27338.540
61 Ni	-10.500108	16.879	2653.794	ug/L	2459.969
63 Cu	0.001977	603.540	267.345	ug/L	204.340
67 Zn	-3.894341	25.064	1492.357	ug/L	1457.673
66 Zn	-0.248151	25.223	592.390	ug/L	570.719
72 Ge			2104942.104	ug/L	1636059.066
108 Cd	-0.053894	162.949	29.486	ug/L	34.781
114 Cd	-0.002300	90.150	141.940	ug/L	137.294
115 In			1982073.555	ug/L	1748778.775
208 207.977	0.005407	16.128	558.351	ug/L	475.346
207 Pb	0.002793	45.164	223.336	ug/L	203.002
206 Pb	0.005595	16.690	308.672	ug/L	260.337
169 Tm			1329102.281	ug/L	1297351.469
106 Pd	0.026451	123.949	55.334	ug/L	49.667
83 Kr	218.750784	24.803	474.346	ug/L	357.674
182 W			5.333	ug/L	6.667

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[> Li-1	6	128.932
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	128.659
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	113.340
Pb	208	
[> Tm-1	169	102.447
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	128.659
Cd	108	
Cd	114	
[> In	115	113.340
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	102.447
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: BLK RECAL

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:24:48

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 1.012

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1				854235.854	ug/L	
9 Be				3.667	ug/L	
27 Al				134965.982	ug/L	
52 Cr				27671.053	ug/L	
55 Mn				4526.170	ug/L	
59 Co				116.334	ug/L	
60 Ni				218.354	ug/L	
65 Cu				330.637	ug/L	
68 Zn				2414.667	ug/L	
75 As				18867.308	ug/L	
72 Ge-1				2104942.104	ug/L	
111 Cd				49.935	ug/L	
121 Sb				1405.114	ug/L	
135 Ba				299.672	ug/L	
115 In-1				1982073.555	ug/L	
208 Pb				1090.359	ug/L	
169 Tm-1				1329102.281	ug/L	
50 Cr				-304.545	ug/L	
53 Cr				30306.384	ug/L	
61 Ni				2653.794	ug/L	
63 Cu				267.345	ug/L	
67 Zn				1492.357	ug/L	
66 Zn				592.390	ug/L	
72 Ge				2104942.104	ug/L	
108 Cd				29.486	ug/L	
114 Cd				141.940	ug/L	
115 In				1982073.555	ug/L	
208 207.977				558.351	ug/L	
207 Pb				223.336	ug/L	
206 Pb				308.672	ug/L	
169 Tm				1329102.281	ug/L	
106 Pd				55.334	ug/L	
83 Kr				474.346	ug/L	
182 W				5.333	ug/L	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

> Li-1	6
Be	9
Al	27
Cr	52
Mn	55
Co	59
Ni	60
Cu	65
Zn	68
As	75
> Ge-1	72
Cd	111
Sb	121
Ba	135
> In-1	115
Pb	208
> Tm-1	169
Cr	50
Cr	53
Ni	61
Cu	63
Zn	67
Zn	66
> Ge	72
Cd	108
Cd	114
> In	115
207.977	208
Pb	207
Pb	206
> Tm	169
Pd	106
Kr	83
W	182

SOP No. SAC-MT-0001

BJones

Sample ID: STD1 RECAL

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:21:01

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 1.011

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			808953.371	ug/L	854235.854
9 Be	100.000000	2.585	36873.200	ug/L	3.667
27 Al	5100.000000	1.910	39137035.561	ug/L	134965.982
52 Cr	100.000000	0.866	1187571.694	ug/L	27671.053
55 Mn	100.000000	0.876	1907405.043	ug/L	4526.170
59 Co	100.000000	1.627	1380450.758	ug/L	116.334
60 Ni	100.000000	0.513	299770.042	ug/L	218.354
65 Cu	100.000000	1.006	302149.903	ug/L	330.637
68 Zn	100.000000	1.355	123675.583	ug/L	2414.667
75 As	100.000000	0.825	309347.110	ug/L	18867.308
72 Ge-1			2110254.883	ug/L	2104942.104
111 Cd	100.000000	0.757	260978.884	ug/L	49.935
121 Sb	50.000000	0.856	392357.459	ug/L	1405.114
135 Ba	100.000000	0.210	242604.605	ug/L	299.672
115 In-1			1958723.507	ug/L	1982073.555
208 Pb	100.000000	0.993	2626443.435	ug/L	1090.359
169 Tm-1			1308057.336	ug/L	1329102.281
50 Cr	100.000000	1.764	29221.815	ug/L	-304.545
53 Cr	100.000000	2.885	81121.445	ug/L	30306.384
61 Ni	100.000000	1.833	7661.046	ug/L	2653.794
63 Cu	100.000000	0.798	223633.660	ug/L	267.345
67 Zn	100.000000	1.889	11379.682	ug/L	1492.357
66 Zn	100.000000	1.639	57447.902	ug/L	592.390
72 Ge			2110254.883	ug/L	2104942.104
108 Cd	100.000000	0.847	18413.844	ug/L	29.486
114 Cd	100.000000	0.833	591650.685	ug/L	141.940
115 In			1958723.507	ug/L	1982073.555
208 207.977	100.000000	0.933	1323142.434	ug/L	558.351
207 Pb	100.000000	1.284	552434.300	ug/L	223.336
206 Pb	100.000000	0.965	750866.701	ug/L	308.672
169 Tm			1308057.336	ug/L	1329102.281
106 Pd	100.000000	1.131	24491.565	ug/L	55.334
83 Kr	100.000000	16.162	548.684	ug/L	474.346
182 W			92.335	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
---------	------	--------------------

> Li-1	6
Be	9
Al	27
Cr	52
Mn	55
Co	59
Ni	60
Cu	65
Zn	68
As	75
> Ge-1	72
Cd	111
Sb	121
Ba	135
> In-1	115
Pb	208
> Tm-1	169
Cr	50
Cr	53
Ni	61
Cu	63
Zn	67
Zn	66
> Ge	72
Cd	108
Cd	114
> In	115
207.977	208
Pb	207
Pb	206
> Tm	169
Pd	106
Kr	83
W	182

Sample ID: CCV 2

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:28:34

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 2.013

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			877124.476	ug/L	854235.854
9 Be	97.832712	1.648	39121.597	ug/L	3.667
27 Al	4886.201153	2.310	37783420.608	ug/L	134965.982
52 Cr	98.161940	1.532	1174937.192	ug/L	27671.053
55 Mn	99.895996	0.149	1919734.505	ug/L	4526.170
59 Co	97.901111	1.203	1361767.795	ug/L	116.334
60 Ni	97.555698	0.663	294636.323	ug/L	218.354
65 Cu	98.389149	1.071	299506.811	ug/L	330.637
68 Zn	98.816938	0.548	123160.045	ug/L	2414.667
75 As	97.899658	0.692	305513.525	ug/L	18867.308
72 Ge-1			2125924.985	ug/L	2104942.104
111 Cd	98.236801	1.405	255251.268	ug/L	49.935
121 Sb	49.541328	1.012	387082.642	ug/L	1405.114
135 Ba	97.964959	1.581	236629.690	ug/L	299.672
115 In-1			1950328.667	ug/L	1982073.555
208 Pb	99.728577	0.170	2707010.757	ug/L	1090.359
169 Tm-1			1351812.959	ug/L	1329102.281
50 Cr	100.033206	0.432	29445.437	ug/L	-304.545
53 Cr	93.229685	3.190	78271.619	ug/L	30306.384
61 Ni	92.175198	4.877	7323.576	ug/L	2653.794
63 Cu	97.986215	2.243	220758.394	ug/L	267.345
67 Zn	96.329899	2.192	11099.680	ug/L	1492.357
66 Zn	100.353107	1.097	58083.859	ug/L	592.390
72 Ge			2125924.985	ug/L	2104942.104
108 Cd	97.586960	0.772	17891.999	ug/L	29.486
114 Cd	99.144646	1.402	584024.136	ug/L	141.940
115 In			1950328.667	ug/L	1982073.555
208 207.977	99.379433	0.991	1358994.525	ug/L	558.351
207 Pb	100.320476	0.573	572744.949	ug/L	223.336
206 Pb	99.908326	0.816	775271.283	ug/L	308.672
169 Tm			1351812.959	ug/L	1329102.281
106 Pd	98.153392	2.168	24040.323	ug/L	55.334
83 Kr	95.515695	32.435	545.350	ug/L	474.346
182 W			87.335	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
---------	------	--------------------

[> Li-1	6	102.679
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	100.997
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	98.398
Pb	208	
[> Tm-1	169	101.709
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	100.997
Cd	108	
Cd	114	
[> In	115	98.398
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	101.709
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: CCB 2

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:32:20

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 2.014

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			881292.476	ug/L	854235.854
9 Be	0.003769	129.621	5.333	ug/L	3.667
27 Al	0.534813	67.986	137608.715	ug/L	134965.982
52 Cr	-0.182434	64.523	25290.220	ug/L	27671.053
55 Mn	0.002881	230.153	4532.173	ug/L	4526.170
59 Co	0.001303	57.752	133.001	ug/L	116.334
60 Ni	0.006113	23.996	234.146	ug/L	218.354
65 Cu	-0.009029	76.138	300.101	ug/L	330.637
68 Zn	-0.064471	157.435	2311.973	ug/L	2414.667
75 As	-0.039602	242.052	18556.654	ug/L	18867.308
72 Ge-1			2083292.962	ug/L	2104942.104
111 Cd	-0.007167	62.839	30.233	ug/L	49.935
121 Sb	0.013476	154.109	1477.792	ug/L	1405.114
135 Ba	0.010272	28.092	317.672	ug/L	299.672
115 In-1			1938531.510	ug/L	1982073.555
208 Pb	0.002363	39.048	1173.364	ug/L	1090.359
169 Tm-1			1352048.682	ug/L	1329102.281
50 Cr	0.030567	232.790	-292.723	ug/L	-304.545
53 Cr	-5.871979	42.132	27041.593	ug/L	30306.384
61 Ni	-1.370037	177.801	2558.048	ug/L	2653.794
63 Cu	-0.009187	89.076	244.343	ug/L	267.345
67 Zn	-1.100101	23.983	1369.634	ug/L	1492.357
66 Zn	0.057540	136.071	618.395	ug/L	592.390
72 Ge			2083292.962	ug/L	2104942.104
108 Cd	0.091925	71.641	45.621	ug/L	29.486
114 Cd	-0.002124	272.616	126.597	ug/L	141.940
115 In			1938531.510	ug/L	1982073.555
208 207.977	0.002509	33.488	602.354	ug/L	558.351
207 Pb	0.002964	109.527	244.003	ug/L	223.336
206 Pb	0.001661	109.132	327.006	ug/L	308.672
169 Tm			1352048.682	ug/L	1329102.281
106 Pd	-0.010913	444.234	52.667	ug/L	55.334
83 Kr	13.901262	97.897	484.680	ug/L	474.346
182 W			6.000	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	103.167
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	98.972
Cd	111	
Sb	121	
Ba	135	
In-1	115	97.803
Pb	208	
Tm-1	169	101.726
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	98.972
Cd	108	
Cd	114	
In	115	97.803
207.977	208	
Pb	207	
Pb	206	
Tm	169	101.726
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: LLSTD 5X

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:37:32

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\LLSTD 5X.015

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 10

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			969870.545	ug/L	854235.854
9 Be	1.759330	3.844	782.035	ug/L	3.667
27 Al	90.173276	2.686	859016.059	ug/L	134965.982
52 Cr	1.601668	3.196	48228.227	ug/L	27671.053
55 Mn	2.279991	2.408	49898.566	ug/L	4526.170
59 Co	2.017299	0.734	29119.040	ug/L	116.334
60 Ni	2.031083	1.286	6562.931	ug/L	218.354
65 Cu	2.112776	1.962	6984.978	ug/L	330.637
68 Zn	16.072374	2.643	22813.040	ug/L	2414.667
75 As	0.890704	22.337	22390.734	ug/L	18867.308
72 Ge-1			2197275.435	ug/L	2104942.104
111 Cd	1.741641	1.721	5361.526	ug/L	49.935
121 Sb	0.743948	2.455	8409.373	ug/L	1405.114
135 Ba	1.726259	1.167	5227.895	ug/L	299.672
115 In-1			2286114.413	ug/L	1982073.555
208 Pb	2.167685	0.802	64817.288	ug/L	1090.359
169 Tm-1			1462271.338	ug/L	1329102.281
50 Cr	2.904037	18.772	574.918	ug/L	-304.545
53 Cr	-11.314223	12.035	25654.919	ug/L	30306.384
61 Ni	3.224034	74.523	2937.715	ug/L	2653.794
63 Cu	2.118803	3.143	5206.669	ug/L	267.345
67 Zn	12.263981	8.016	2819.939	ug/L	1492.357
66 Zn	16.652169	3.143	10476.539	ug/L	592.390
72 Ge			2197275.435	ug/L	2104942.104
108 Cd	1.403001	3.282	335.101	ug/L	29.486
114 Cd	1.750399	0.405	12248.030	ug/L	141.940
115 In			2286114.413	ug/L	1982073.555
208 207.977	2.209670	0.710	33283.850	ug/L	558.351
207 Pb	2.107782	1.958	13256.368	ug/L	223.336
206 Pb	2.137777	0.249	18277.070	ug/L	308.672
169 Tm			1462271.338	ug/L	1329102.281
106 Pd	1.879784	2.504	514.682	ug/L	55.334
83 Kr	-27.802577	82.731	453.678	ug/L	474.346
182 W			6.333	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	113.537
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	104.387
Cd	111	
Sb	121	
Ba	135	
In-1	115	115.340
Pb	208	
Tm-1	169	110.019
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	104.387
Cd	108	
Cd	114	
In	115	115.340
207.977	208	
Pb	207	
Pb	206	
Tm	169	110.019
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: JJXAJC

Sample Description: G6K170000-133 LCS

Batch ID: 6321133

Sample Date/Time: Wednesday, November 22, 2006 18:41:56

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJXAJC.016

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 135

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			882311.552	ug/L	854235.854
9 Be	169.504090	1.475	68183.973	ug/L	3.667
27 Al	897.366511	1.423	6521946.649	ug/L	134965.982
52 Cr	183.730250	1.290	2011687.624	ug/L	27671.053
55 Mn	189.299933	2.174	3361001.634	ug/L	4526.170
59 Co	181.078699	0.902	2329552.751	ug/L	116.334
60 Ni	181.114871	0.549	505778.726	ug/L	218.354
65 Cu	185.369838	1.128	521689.896	ug/L	330.637
68 Zn	178.946526	0.482	204470.464	ug/L	2414.667
75 As	172.485157	0.351	484467.072	ug/L	18867.308
72 Ge-1			1966429.128	ug/L	2104942.104
111 Cd	176.444733	1.374	453993.738	ug/L	49.935
121 Sb	43.185971	3.547	334279.680	ug/L	1405.114
135 Ba	183.361722	1.960	438390.493	ug/L	299.672
115 In-1			1931505.061	ug/L	1982073.555
208 Pb	186.825587	1.160	5163838.322	ug/L	1090.359
169 Tm-1			1376821.293	ug/L	1329102.281
50 Cr	158.517534	4.454	43326.243	ug/L	-304.545
53 Cr	152.680020	5.078	100515.591	ug/L	30306.384
61 Ni	182.116594	0.815	10966.208	ug/L	2653.794
63 Cu	182.600447	1.185	380340.115	ug/L	267.345
67 Zn	170.797709	0.443	17127.140	ug/L	1492.357
66 Zn	180.826200	0.204	96367.660	ug/L	592.390
72 Ge			1966429.128	ug/L	2104942.104
108 Cd	173.786766	1.134	31536.305	ug/L	29.486
114 Cd	174.792897	0.926	1019654.141	ug/L	141.940
115 In			1931505.061	ug/L	1982073.555
208 207.977	189.085429	1.777	2632824.026	ug/L	558.351
207 Pb	198.385838	1.237	1153340.602	ug/L	223.336
206 Pb	174.338266	0.318	1377673.694	ug/L	308.672
169 Tm			1376821.293	ug/L	1329102.281
106 Pd	175.912026	0.357	43041.603	ug/L	55.334
83 Kr	0.448422	7950.601	474.680	ug/L	474.346
182 W			104.335	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	103.287
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	93.420
Cd	111	
Sb	121	
Ba	135	
> In-1	115	97.449
Pb	208	
> Tm-1	169	103.590
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	93.420
Cd	108	
Cd	114	
> In	115	97.449
207.977	208	
Pb	207	
Pb	206	
> Tm	169	103.590
Pd	106	
Kr	83	
W	182	

Sample ID: JJXAJL

Sample Description: G6K170000-133 LCSD

Batch ID: 6321133

Sample Date/Time: Wednesday, November 22, 2006 18:45:37

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJXAJL.017

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 136

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			876601.888	ug/L	854235.854
9 Be	172.093034	2.608	68757.775	ug/L	3.667
27 Al	894.858601	0.768	6568220.676	ug/L	134965.982
52 Cr	182.791431	0.569	2021292.288	ug/L	27671.053
55 Mn	191.974663	0.315	3442115.237	ug/L	4526.170
59 Co	181.647368	0.626	2359900.994	ug/L	116.334
60 Ni	182.226654	2.579	513870.467	ug/L	218.354
65 Cu	185.311731	0.560	526673.638	ug/L	330.637
68 Zn	179.595309	0.258	207226.152	ug/L	2414.667
75 As	172.603212	0.311	489569.433	ug/L	18867.308
72 Ge-1			1985811.253	ug/L	2104942.104
111 Cd	175.204086	0.451	459039.847	ug/L	49.935
121 Sb	43.580386	2.062	343536.058	ug/L	1405.114
135 Ba	182.129844	1.095	443376.822	ug/L	299.672
115 In-1			1966635.836	ug/L	1982073.555
208 Pb	190.577424	1.773	5263133.275	ug/L	1090.359
169 Tm-1			1375800.776	ug/L	1329102.281
50 Cr	160.176558	1.404	44212.785	ug/L	-304.545
53 Cr	148.850838	0.286	99679.472	ug/L	30306.384
61 Ni	175.284020	0.625	10752.802	ug/L	2653.794
63 Cu	179.865661	1.125	378335.313	ug/L	267.345
67 Zn	171.438882	0.994	17355.732	ug/L	1492.357
66 Zn	180.702436	0.658	97250.047	ug/L	592.390
72 Ge			1985811.253	ug/L	2104942.104
108 Cd	175.525222	0.871	32427.344	ug/L	29.486
114 Cd	173.061417	0.797	1027917.642	ug/L	141.940
115 In			1966635.836	ug/L	1982073.555
208 207.977	193.458206	2.309	2691393.546	ug/L	558.351
207 Pb	201.481143	0.612	1170449.694	ug/L	223.336
206 Pb	177.478974	1.871	1401290.035	ug/L	308.672
169 Tm			1375800.776	ug/L	1329102.281
106 Pd	179.335117	0.623	43878.077	ug/L	55.334
83 Kr	4.035901	1350.022	477.346	ug/L	474.346
182 W			95.335	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	102.618
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	94.340
Cd	111	
Sb	121	
Ba	135	
In-1	115	99.221
Pb	208	
Tm-1	169	103.514
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	94.340
Cd	108	
Cd	114	
In	115	99.221
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.514
Pd	106	
Kr	83	
W	182	

Sample ID: JJ71FC
Sample Description: G6K220000-120 LCS
Batch ID: 6326120
Sample Date/Time: Wednesday, November 22, 2006 18:49:19
Method File: C:\elandata\Method\6321133.mth
Dataset File: c:\elandata\dataset\061122b1\JJ71FC.018
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 137
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			849343.102	ug/L	854235.854
9 Be	174.541483	2.939	67559.483	ug/L	3.667
27 Al	873.462954	3.833	6265605.551	ug/L	134965.982
52 Cr	179.643610	2.962	1941256.078	ug/L	27671.053
55 Mn	187.277421	3.197	3280641.408	ug/L	4526.170
59 Co	180.724912	3.620	2293651.781	ug/L	116.334
60 Ni	181.229673	3.530	499276.514	ug/L	218.354
65 Cu	183.975352	2.318	510931.307	ug/L	330.637
68 Zn	184.231113	3.271	207618.645	ug/L	2414.667
75 As	177.847957	3.808	492242.316	ug/L	18867.308
72 Ge-1			1941388.114	ug/L	2104942.104
111 Cd	176.378352	4.950	452678.703	ug/L	49.935
121 Sb	43.916358	5.601	339070.083	ug/L	1405.114
135 Ba	180.321512	5.595	429947.342	ug/L	299.672
115 In-1			1929077.420	ug/L	1982073.555
208 Pb	188.415981	3.325	5095645.793	ug/L	1090.359
169 Tm-1			1348215.354	ug/L	1329102.281
50 Cr	156.861791	4.088	42291.985	ug/L	-304.545
53 Cr	146.050939	6.131	96054.394	ug/L	30306.384
61 Ni	177.046020	3.538	10587.574	ug/L	2653.794
63 Cu	179.521108	2.661	368960.099	ug/L	267.345
67 Zn	174.979230	3.994	17275.621	ug/L	1492.357
66 Zn	185.885655	3.711	97709.035	ug/L	592.390
72 Ge			1941388.114	ug/L	2104942.104
108 Cd	174.351934	4.632	31556.636	ug/L	29.486
114 Cd	175.619843	4.281	1022055.248	ug/L	141.940
115 In			1929077.420	ug/L	1982073.555
208 207.977	191.100528	2.982	2603825.732	ug/L	558.351
207 Pb	196.933857	3.361	1120242.268	ug/L	223.336
206 Pb	177.418658	3.959	1371577.793	ug/L	308.672
169 Tm			1348215.354	ug/L	1329102.281
106 Pd	174.012145	0.826	42577.344	ug/L	55.334
83 Kr	32.735326	90.536	498.681	ug/L	474.346
182 W			80.001	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[> Li-1	6	99.427
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	92.230
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	97.326
Pb	208	
[> Tm-1	169	101.438
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	92.230
Cd	108	
Cd	114	
[> In	115	97.326
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	101.438
Pd	106	
Kr	83	
W	182	

Sample ID: JJ71FL

Sample Description: G6K220000-120 LCSD

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 18:53:01

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJ71FL.019

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 138

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			870585.083	ug/L	854235.854
9 Be	172.985732	1.235	68660.003	ug/L	3.667
27 Al	866.959069	1.910	6351449.054	ug/L	134965.982
52 Cr	179.106836	0.748	1976268.936	ug/L	27671.053
55 Mn	184.120646	0.762	3293554.130	ug/L	4526.170
59 Co	179.778829	1.223	2329902.923	ug/L	116.334
60 Ni	178.444785	1.270	501999.412	ug/L	218.354
65 Cu	180.788144	1.237	512574.115	ug/L	330.637
68 Zn	180.549598	0.940	207805.681	ug/L	2414.667
75 As	175.145030	0.837	495301.900	ug/L	18867.308
72 Ge-1			1981026.291	ug/L	2104942.104
111 Cd	175.744950	0.820	461609.772	ug/L	49.935
121 Sb	43.369318	2.665	342718.513	ug/L	1405.114
135 Ba	178.715294	2.297	436133.093	ug/L	299.672
115 In-1			1971622.184	ug/L	1982073.555
208 Pb	186.012228	0.057	5142163.715	ug/L	1090.359
169 Tm-1			1377004.944	ug/L	1329102.281
50 Cr	154.573446	3.340	42557.781	ug/L	-304.545
53 Cr	142.161466	1.352	96248.755	ug/L	30306.384
61 Ni	168.882231	3.053	10425.365	ug/L	2653.794
63 Cu	176.715586	0.464	370834.585	ug/L	267.345
67 Zn	170.539038	0.986	17230.039	ug/L	1492.357
66 Zn	182.281821	1.381	97860.219	ug/L	592.390
72 Ge			1981026.291	ug/L	2104942.104
108 Cd	173.908821	1.201	32209.665	ug/L	29.486
114 Cd	173.899879	0.364	1035575.939	ug/L	141.940
115 In			1971622.184	ug/L	1982073.555
208 207.977	188.209835	0.323	2621063.886	ug/L	558.351
207 Pb	194.577444	0.295	1131383.492	ug/L	223.336
206 Pb	175.838112	0.442	1389716.337	ug/L	308.672
169 Tm			1377004.944	ug/L	1329102.281
106 Pd	180.005505	0.268	44041.895	ug/L	55.334
83 Kr	48.878819	62.782	510.682	ug/L	474.346
182 W			81.001	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	101.914
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	94.113
Cd	111	
Sb	121	
Ba	135	
> In-1	115	99.473
Pb	208	
> Tm-1	169	103.604
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	94.113
Cd	108	
Cd	114	
> In	115	99.473
207.977	208	
Pb	207	
Pb	206	
> Tm	169	103.604
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 18:56:47

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\Rinse.020

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1					851712.638	ug/L	854235.854	
9 Be	0.005229	79.698			5.667	ug/L	3.667	
27 Al	-10.188630	1.250			54342.230	ug/L	134965.982	
52 Cr	-0.372489	4.260			22183.084	ug/L	27671.053	
55 Mn	-0.138280	2.759			1805.186	ug/L	4526.170	
59 Co	0.005390	12.686			181.002	ug/L	116.334	
60 Ni	-0.032584	9.461			114.949	ug/L	218.354	
65 Cu	-0.038429	1.644			204.107	ug/L	330.637	
68 Zn	0.514807	14.277			2884.809	ug/L	2414.667	
75 As	-0.109066	84.988			17616.874	ug/L	18867.308	
72 Ge-1					1998894.188	ug/L	2104942.104	
111 Cd	0.001478	438.726			52.855	ug/L	49.935	
121 Sb	0.396907	15.430			4466.149	ug/L	1405.114	
135 Ba	0.006632	75.436			310.339	ug/L	299.672	
115 In-1					1947011.506	ug/L	1982073.555	
208 Pb	-0.000130	784.196			1123.361	ug/L	1090.359	
169 Tm-1					1373967.532	ug/L	1329102.281	
50 Cr	0.419146	20.269			-172.062	ug/L	-304.545	
53 Cr	-12.761358	6.060			22643.419	ug/L	30306.384	
61 Ni	-1.770228	196.684			2434.950	ug/L	2653.794	
63 Cu	-0.032384	5.250			185.339	ug/L	267.345	
67 Zn	-1.810337	11.238			1247.582	ug/L	1492.357	
66 Zn	0.875731	3.975			1034.171	ug/L	592.390	
72 Ge					1998894.188	ug/L	2104942.104	
108 Cd	-0.046518	216.456			20.497	ug/L	29.486	
114 Cd	-0.000642	105.839			135.655	ug/L	141.940	
115 In					1947011.506	ug/L	1982073.555	
208 207.977	0.000377	260.684			582.353	ug/L	558.351	
207 Pb	0.002333	122.088			244.337	ug/L	223.336	
206 Pb	-0.002835	53.892			296.672	ug/L	308.672	
169 Tm					1373967.532	ug/L	1329102.281	
106 Pd	-0.075026	53.721			37.000	ug/L	55.334	
83 Kr	9.865471	529.773			481.680	ug/L	474.346	
182 W					3.667	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	99.705
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	94.962
Cd	111	
Sb	121	
Ba	135	
In-1	115	98.231
Pb	208	
Tm-1	169	103.376
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	94.962
Cd	108	
Cd	114	
In	115	98.231
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.376
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: JJXAJB

Sample Description: G6K170000-133 BLK

Batch ID: 6321133

Sample Date/Time: Wednesday, November 22, 2006 19:00:32

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJXAJB.021

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 12

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1					850991.127	ug/L	854235.854	
9 Be	-0.006837	0.623			1.000	ug/L	3.667	
27 Al	-12.722030	0.641			36043.757	ug/L	134965.982	
52 Cr	-0.318763	21.003			22804.693	ug/L	27671.053	
55 Mn	0.832982	3.863			19337.014	ug/L	4526.170	
59 Co	0.013819	25.832			291.338	ug/L	116.334	
60 Ni	0.265072	1.008			960.882	ug/L	218.354	
65 Cu	0.593738	8.350			2013.463	ug/L	330.637	
68 Zn	0.663149	4.456			3059.535	ug/L	2414.667	
75 As	0.155357	76.654			18368.732	ug/L	18867.308	
72 Ge-1					2001844.771	ug/L	2104942.104	
111 Cd	-0.006203	62.949			34.091	ug/L	49.935	
121 Sb	0.056288	9.113			1876.868	ug/L	1405.114	
135 Ba	0.102455	4.383			558.685	ug/L	299.672	
115 In-1					2010757.415	ug/L	1982073.555	
208 Pb	0.111204	4.485			4260.404	ug/L	1090.359	
169 Tm-1					1396001.084	ug/L	1329102.281	
50 Cr	1.106004	3.222			20.212	ug/L	-304.545	
53 Cr	-40.334833	3.409			9400.492	ug/L	30306.384	
61 Ni	-1.046028	144.878			2473.646	ug/L	2653.794	
63 Cu	0.605757	4.701			1537.378	ug/L	267.345	
67 Zn	-6.528565	13.479			806.771	ug/L	1492.357	
66 Zn	0.941003	4.030			1070.850	ug/L	592.390	
72 Ge					2001844.771	ug/L	2104942.104	
108 Cd	-0.142763	21.939			2.927	ug/L	29.486	
114 Cd	-0.005245	35.105			112.156	ug/L	141.940	
115 In					2010757.415	ug/L	1982073.555	
208 207.977	0.116343	9.451			2227.951	ug/L	558.351	
207 Pb	0.109854	0.800			882.044	ug/L	223.336	
206 Pb	0.103142	2.467			1150.409	ug/L	308.672	
169 Tm					1396001.084	ug/L	1329102.281	
106 Pd	-0.197794	5.474			7.000	ug/L	55.334	
83 Kr	8.071691	274.031			480.347	ug/L	474.346	
182 W					32.334	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	99.620
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	95.102
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.447
Pb	208	
Tm-1	169	105.033
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	95.102
Cd	108	
Cd	114	
In	115	101.447
207.977	208	
Pb	207	
Pb	206	
Tm	169	105.033
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: MB CONTROL

Sample Description:

Batch ID: 6321133

Sample Date/Time: Wednesday, November 22, 2006 19:04:22

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\MB CONTROL.022

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 13

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1			931534.125	ug/L	854235.854	
9 Be	-0.007848	17.287	0.667	ug/L	3.667	
27 Al	-2.548456	7.752	116651.105	ug/L	134965.982	
52 Cr	1.786809	2.676	48816.799	ug/L	27671.053	
55 Mn	2.458571	1.673	51694.930	ug/L	4526.170	
59 Co	0.551537	0.958	7787.131	ug/L	116.334	
60 Ni	1.039002	1.970	3355.720	ug/L	218.354	
65 Cu	1.317024	1.835	4338.351	ug/L	330.637	
68 Zn	1.555385	2.354	4338.409	ug/L	2414.667	
75 As	-0.578686	6.821	17359.378	ug/L	18867.308	
72 Ge-1			2125639.445	ug/L	2104942.104	
111 Cd	0.001528	270.837	60.292	ug/L	49.935	
121 Sb	-0.071288	6.133	938.384	ug/L	1405.114	
135 Ba	0.822295	2.462	2584.715	ug/L	299.672	
115 In-1			2212227.343	ug/L	1982073.555	
208 Pb	0.230874	0.312	8194.150	ug/L	1090.359	
169 Tm-1			1502306.390	ug/L	1329102.281	
50 Cr	2.247453	2.296	360.898	ug/L	-304.545	
53 Cr	-38.623065	4.077	10855.879	ug/L	30306.384	
61 Ni	7.157865	101.288	3039.491	ug/L	2653.794	
63 Cu	1.346000	1.324	3298.406	ug/L	267.345	
67 Zn	-6.311847	14.546	878.124	ug/L	1492.357	
66 Zn	1.976736	3.040	1730.479	ug/L	592.390	
72 Ge			2125639.445	ug/L	2104942.104	
108 Cd	0.164261	34.246	66.954	ug/L	29.486	
114 Cd	-0.001476	153.972	148.465	ug/L	141.940	
115 In			2212227.343	ug/L	1982073.555	
208 207.977	0.238495	0.666	4254.034	ug/L	558.351	
207 Pb	0.236783	0.517	1754.176	ug/L	223.336	
206 Pb	0.213098	1.997	2185.940	ug/L	308.672	
169 Tm			1502306.390	ug/L	1329102.281	
106 Pd	0.335571	1.863	137.334	ug/L	55.334	
83 Kr	8.520107	39.736	480.680	ug/L	474.346	
182 W			101.002	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	109.049
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	100.983
Cd	111	
Sb	121	
Ba	135	
> In-1	115	111.612
Pb	208	
> Tm-1	169	113.032
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	100.983
Cd	108	
Cd	114	
> In	115	111.612
207.977	208	
Pb	207	
Pb	206	
> Tm	169	113.032
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: JJ71FB

Sample Description: G6K220000-120 BLK

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 19:07:31

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJ71FB.023

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 14

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			837197.701	ug/L	854235.854
9 Be	-0.002387	278.006	2.667	ug/L	3.667
27 Al	-13.077942	0.679	33898.210	ug/L	134965.982
52 Cr	-0.759819	3.848	18187.551	ug/L	27671.053
55 Mn	0.164178	4.157	7363.765	ug/L	4526.170
59 Co	0.001733	67.842	135.001	ug/L	116.334
60 Ni	0.079519	3.293	439.312	ug/L	218.354
65 Cu	0.570103	2.655	1972.442	ug/L	330.637
68 Zn	0.007211	369.291	2334.645	ug/L	2414.667
75 As	-0.001983	1362.577	18171.228	ug/L	18867.308
72 Ge-1			2027932.766	ug/L	2104942.104
111 Cd	0.002820	168.429	58.383	ug/L	49.935
121 Sb	-0.109115	4.635	550.684	ug/L	1405.114
135 Ba	0.481644	4.200	1505.463	ug/L	299.672
115 In-1			2015702.298	ug/L	1982073.555
208 Pb	0.030921	7.948	2005.423	ug/L	1090.359
169 Tm-1			1391706.724	ug/L	1329102.281
50 Cr	0.903124	8.214	-37.090	ug/L	-304.545
53 Cr	-40.943616	4.668	9223.334	ug/L	30306.384
61 Ni	-3.014516	50.682	2411.931	ug/L	2653.794
63 Cu	0.566731	3.775	1474.348	ug/L	267.345
67 Zn	-7.080676	9.180	764.761	ug/L	1492.357
66 Zn	0.516401	13.584	853.117	ug/L	592.390
72 Ge			2027932.766	ug/L	2104942.104
108 Cd	-0.125901	9.518	6.173	ug/L	29.486
114 Cd	0.001257	229.828	152.002	ug/L	141.940
115 In			2015702.298	ug/L	1982073.555
208 207.977	0.032719	13.397	1045.063	ug/L	558.351
207 Pb	0.032028	17.985	422.010	ug/L	223.336
206 Pb	0.026938	11.531	538.350	ug/L	308.672
169 Tm			1391706.724	ug/L	1329102.281
106 Pd	-0.170513	7.332	13.667	ug/L	55.334
83 Kr	35.874334	78.571	501.014	ug/L	474.346
182 W			5.667	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	98.005
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.341
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.697
Pb	208	
Tm-1	169	104.710
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.341
Cd	108	
Cd	114	
In	115	101.697
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.710
Pd	106	
Kr	83	
W	182	

Sample ID: MB CONTROL

Sample Description:

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 19:11:21

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\MB CONTROL.024

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 15

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			905101.260	ug/L	854235.854
9 Be	-0.007800	17.923	0.667	ug/L	3.667
27 Al	-2.103759	5.620	121408.215	ug/L	134965.982
52 Cr	0.910324	2.553	39006.433	ug/L	27671.053
55 Mn	0.658095	0.723	17374.901	ug/L	4526.170
59 Co	1.090973	1.328	15457.645	ug/L	116.334
60 Ni	0.926670	1.538	3050.149	ug/L	218.354
65 Cu	1.024148	1.286	3486.075	ug/L	330.637
68 Zn	1.765477	2.082	4645.900	ug/L	2414.667
75 As	-0.449073	6.805	17934.206	ug/L	18867.308
72 Ge-1			2149105.661	ug/L	2104942.104
111 Cd	0.002626	220.725	63.129	ug/L	49.935
121 Sb	-0.102392	1.751	661.025	ug/L	1405.114
135 Ba	1.410695	2.651	4176.664	ug/L	299.672
115 In-1			2202648.701	ug/L	1982073.555
208 Pb	0.105452	0.883	4398.093	ug/L	1090.359
169 Tm-1			1497506.442	ug/L	1329102.281
50 Cr	1.775883	6.845	223.270	ug/L	-304.545
53 Cr	-39.885161	3.944	10321.402	ug/L	30306.384
61 Ni	4.213574	82.266	2923.370	ug/L	2653.794
63 Cu	1.036120	2.742	2630.441	ug/L	267.345
67 Zn	-5.769081	17.810	942.143	ug/L	1492.357
66 Zn	2.230639	4.518	1896.909	ug/L	592.390
72 Ge			2149105.661	ug/L	2104942.104
108 Cd	0.143038	27.067	62.288	ug/L	29.486
114 Cd	0.001835	127.281	170.046	ug/L	141.940
115 In			2202648.701	ug/L	1982073.555
208 207.977	0.108453	2.763	2271.295	ug/L	558.351
207 Pb	0.108749	3.415	939.050	ug/L	223.336
206 Pb	0.097737	3.614	1187.747	ug/L	308.672
169 Tm			1497506.442	ug/L	1329102.281
106 Pd	0.300104	18.312	128.668	ug/L	55.334
83 Kr	4.484264	566.307	477.680	ug/L	474.346
182 W			85.335	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	105.954
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	102.098
Cd	111	
Sb	121	
Ba	135	
In-1	115	111.129
Pb	208	
Tm-1	169	112.671
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	102.098
Cd	108	
Cd	114	
In	115	111.129
207.977	208	
Pb	207	
Pb	206	
Tm	169	112.671
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: CCV 3

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 19:14:32

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 3.025

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			824887.057	ug/L	854235.854
9 Be	100.166079	1.133	37673.937	ug/L	3.667
27 Al	4926.834960	1.245	36581199.598	ug/L	134965.982
52 Cr	97.007818	1.051	1115264.857	ug/L	27671.053
55 Mn	97.014983	0.364	1790202.246	ug/L	4526.170
59 Co	98.913158	0.634	1321002.893	ug/L	116.334
60 Ni	97.137057	0.421	281685.369	ug/L	218.354
65 Cu	99.507768	0.406	290854.078	ug/L	330.637
68 Zn	98.318283	0.547	117670.982	ug/L	2414.667
75 As	98.702006	0.459	295605.730	ug/L	18867.308
72 Ge-1			2041223.366	ug/L	2104942.104
111 Cd	97.555245	0.615	259643.248	ug/L	49.935
121 Sb	49.031784	0.213	392417.073	ug/L	1405.114
135 Ba	98.026260	0.590	242538.368	ug/L	299.672
115 In-1			1997528.226	ug/L	1982073.555
208 Pb	99.046043	0.497	2734452.081	ug/L	1090.359
169 Tm-1			1374973.191	ug/L	1329102.281
50 Cr	90.878648	2.088	25659.018	ug/L	-304.545
53 Cr	85.639295	0.383	71430.858	ug/L	30306.384
61 Ni	95.755331	6.070	7205.975	ug/L	2653.794
63 Cu	98.485498	0.888	213054.088	ug/L	267.345
67 Zn	96.947914	1.265	10717.684	ug/L	1492.357
66 Zn	100.659632	0.713	55937.873	ug/L	592.390
72 Ge			2041223.366	ug/L	2104942.104
108 Cd	97.023806	0.955	18220.615	ug/L	29.486
114 Cd	98.213858	0.875	592613.983	ug/L	141.940
115 In			1997528.226	ug/L	1982073.555
208 207.977	98.643750	0.633	1371927.587	ug/L	558.351
207 Pb	100.059670	0.545	581034.170	ug/L	223.336
206 Pb	99.009169	0.856	781490.324	ug/L	308.672
169 Tm			1374973.191	ug/L	1329102.281
106 Pd	99.481566	1.255	24364.879	ug/L	55.334
83 Kr	60.986449	48.446	519.682	ug/L	474.346
182 W			91.001	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	96.564
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.973
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.780
Pb	208	
Tm-1	169	103.451
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.973
Cd	108	
Cd	114	
In	115	100.780
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.451
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 3

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 19:18:18

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 3.026

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1					848724.080		ug/L	854235.854
9 Be	-0.003377	45.402			2.333		ug/L	3.667
27 Al	2.010379	38.136			145229.762		ug/L	134965.982
52 Cr	-0.380692	24.735			22477.842		ug/L	27671.053
55 Mn	-0.007157	128.995			4242.028		ug/L	4526.170
59 Co	0.002223	39.701			142.001		ug/L	116.334
60 Ni	-0.001760	158.685			205.922		ug/L	218.354
65 Cu	-0.029247	6.783			234.644		ug/L	330.637
68 Zn	-0.472711	9.472			1782.182		ug/L	2414.667
75 As	-0.145749	215.668			17819.079		ug/L	18867.308
72 Ge-1					2035287.590		ug/L	2104942.104
111 Cd	-0.004631	63.232			37.822		ug/L	49.935
121 Sb	0.034402	83.489			1673.828		ug/L	1405.114
135 Ba	0.015815	36.640			338.340		ug/L	299.672
115 In-1					1982210.332		ug/L	1982073.555
208 Pb	0.001256	268.844			1162.030		ug/L	1090.359
169 Tm-1					1374228.125		ug/L	1329102.281
50 Cr	0.503005	8.486			-151.454		ug/L	-304.545
53 Cr	-13.561818	18.161			22645.808		ug/L	30306.384
61 Ni	-3.565695	75.321			2393.585		ug/L	2653.794
63 Cu	-0.027720	38.542			198.673		ug/L	267.345
67 Zn	-1.436163	51.785			1304.939		ug/L	1492.357
66 Zn	0.069152	146.401			609.726		ug/L	592.390
72 Ge					2035287.590		ug/L	2104942.104
108 Cd	0.062471	168.016			40.918		ug/L	29.486
114 Cd	0.005319	47.196			173.659		ug/L	141.940
115 In					1982210.332		ug/L	1982073.555
208 207.977	0.001108	282.690			593.020		ug/L	558.351
207 Pb	0.001481	219.646			239.337		ug/L	223.336
206 Pb	0.001350	416.216			329.673		ug/L	308.672
169 Tm					1374228.125		ug/L	1329102.281
106 Pd	0.006821	572.363			57.000		ug/L	55.334
83 Kr	38.116479	63.169			502.681		ug/L	474.346
182 W					4.333		ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	99.355
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.691
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.007
Pb	208	
Tm-1	169	103.395
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.691
Cd	108	
Cd	114	
In	115	100.007
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.395
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 4

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 19:22:05

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 4.027

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			819710.942	ug/L	854235.854
9 Be	100.772050	0.603	37662.887	ug/L	3.667
27 Al	4770.887945	1.482	36701549.278	ug/L	134965.982
52 Cr	94.807003	1.329	1129611.819	ug/L	27671.053
55 Mn	95.990019	1.132	1834854.017	ug/L	4526.170
59 Co	96.844086	1.088	1339713.233	ug/L	116.334
60 Ni	97.151012	1.625	291806.957	ug/L	218.354
65 Cu	98.166333	0.992	297225.896	ug/L	330.637
68 Zn	96.867685	1.311	120125.301	ug/L	2414.667
75 As	98.089553	1.430	304409.941	ug/L	18867.308
72 Ge-1			2114624.514	ug/L	2104942.104
111 Cd	98.405991	0.762	261513.649	ug/L	49.935
121 Sb	49.745585	1.112	397508.102	ug/L	1405.114
135 Ba	98.592753	0.916	243583.037	ug/L	299.672
115 In-1			1994584.578	ug/L	1982073.555
208 Pb	99.766723	0.833	2752322.277	ug/L	1090.359
169 Tm-1			1373939.975	ug/L	1329102.281
50 Cr	96.129149	0.809	28135.353	ug/L	-304.545
53 Cr	84.469299	2.367	73394.556	ug/L	30306.384
61 Ni	96.338106	4.258	7492.976	ug/L	2653.794
63 Cu	98.246159	1.793	220150.976	ug/L	267.345
67 Zn	95.550539	2.277	10963.873	ug/L	1492.357
66 Zn	100.136986	2.162	57643.853	ug/L	592.390
72 Ge			2114624.514	ug/L	2104942.104
108 Cd	98.060355	1.293	18387.121	ug/L	29.486
114 Cd	98.639906	0.685	594289.184	ug/L	141.940
115 In			1994584.578	ug/L	1982073.555
208 207.977	99.495995	0.830	1382792.200	ug/L	558.351
207 Pb	100.004880	0.779	580298.913	ug/L	223.336
206 Pb	100.068554	1.668	789231.164	ug/L	308.672
169 Tm			1373939.975	ug/L	1329102.281
106 Pd	101.247575	1.656	24796.425	ug/L	55.334
83 Kr	91.479781	12.679	542.350	ug/L	474.346
182 W			107.669	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Li-1	6		95.958
Be	9		
Al	27		
Cr	52		
Mn	55		
Co	59		
Ni	60		
Cu	65		
Zn	68		
As	75		
Ge-1	72		100.460
Cd	111		
Sb	121		
Ba	135		
In-1	115		100.631
Pb	208		
Tm-1	169		103.374
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
Ge	72		100.460
Cd	108		
Cd	114		
In	115		100.631
207.977	208		
Pb	207		
Pb	206		
Tm	169		103.374
Pd	106		
Kr	83		
W	182		

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 4

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 19:25:51

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 4.028

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas.	Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1					863759.227		ug/L	854235.854	
9 Be	0.005831	243.273			6.000		ug/L	3.667	
27 Al	2.174784	2.465			149170.457		ug/L	134965.982	
52 Cr	-0.387351	11.427			22825.077		ug/L	27671.053	
55 Mn	-0.010882	38.616			4251.700		ug/L	4526.170	
59 Co	0.004780	34.881			179.335		ug/L	116.334	
60 Ni	0.003292	64.961			224.589		ug/L	218.354	
65 Cu	-0.037123	9.079			215.435		ug/L	330.637	
68 Zn	-0.594645	13.202			1668.493		ug/L	2414.667	
75 As	-0.093548	73.857			18303.288		ug/L	18867.308	
72 Ge-1					2071784.825		ug/L	2104942.104	
111 Cd	-0.004001	117.228			39.746		ug/L	49.935	
121 Sb	0.033612	60.633			1691.165		ug/L	1405.114	
135 Ba	0.004662	60.585			314.672		ug/L	299.672	
115 In-1					2004506.768		ug/L	1982073.555	
208 Pb	0.003184	22.914			1226.700		ug/L	1090.359	
169 Tm-1					1387341.150		ug/L	1329102.281	
50 Cr	0.600861	19.278			-125.639		ug/L	-304.545	
53 Cr	-14.230980	7.228			22739.132		ug/L	30306.384	
61 Ni	-1.524998	58.716			2537.030		ug/L	2653.794	
63 Cu	-0.027564	8.440			202.673		ug/L	267.345	
67 Zn	-1.329560	56.468			1339.955		ug/L	1492.357	
66 Zn	-0.051317	81.941			554.383		ug/L	592.390	
72 Ge					2071784.825		ug/L	2104942.104	
108 Cd	0.041560	101.235			37.671		ug/L	29.486	
114 Cd	0.001511	246.916			152.815		ug/L	141.940	
115 In					2004506.768		ug/L	1982073.555	
208 207.977	0.003466	48.818			631.356		ug/L	558.351	
207 Pb	0.003790	14.983			255.337		ug/L	223.336	
206 Pb	0.002242	71.716			340.007		ug/L	308.672	
169 Tm					1387341.150		ug/L	1329102.281	
106 Pd	0.019097	107.143			60.000		ug/L	55.334	
83 Kr	35.874340	88.185			501.014		ug/L	474.346	
182 W					4.000		ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
[> Li-1	6		101.115
Be	9		
Al	27		
Cr	52		
Mn	55		
Co	59		
Ni	60		
Cu	65		
Zn	68		
As	75		
[> Ge-1	72		98.425
Cd	111		
Sb	121		
Ba	135		
[> In-1	115		101.132
Pb	208		
[> Tm-1	169		104.382
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
[> Ge	72		98.425
Cd	108		
Cd	114		
[> In	115		101.132
207.977	208		
Pb	207		
Pb	206		
[> Tm	169		104.382
Pd	106		
Kr	83		
W	182		

BJones

Sample ID: CCV 5

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 20:06:55

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 5.039

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			802584.822	ug/L	854235.854
9 Be	100.468120	2.021	36758.719	ug/L	3.667
27 Al	4990.242150	1.640	36378773.987	ug/L	134965.982
52 Cr	96.970133	0.287	1094603.526	ug/L	27671.053
55 Mn	97.003826	0.473	1757564.005	ug/L	4526.170
59 Co	97.853637	0.931	1283153.801	ug/L	116.334
60 Ni	96.576280	0.614	274984.774	ug/L	218.354
65 Cu	99.033869	1.235	284217.538	ug/L	330.637
68 Zn	98.043211	0.969	115220.004	ug/L	2414.667
75 As	98.932001	0.516	290877.930	ug/L	18867.308
72 Ge-1			2004241.578	ug/L	2104942.104
111 Cd	97.911312	0.626	259274.559	ug/L	49.935
121 Sb	49.139810	1.657	391266.296	ug/L	1405.114
135 Ba	98.773651	1.210	243137.769	ug/L	299.672
115 In-1			1987544.637	ug/L	1982073.555
208 Pb	97.517609	0.362	2695640.328	ug/L	1090.359
169 Tm-1			1376660.509	ug/L	1329102.281
50 Cr	91.457996	7.091	25356.542	ug/L	-304.545
53 Cr	87.266043	1.958	70918.727	ug/L	30306.384
61 Ni	97.651370	0.553	7165.205	ug/L	2653.794
63 Cu	98.118874	0.720	208423.822	ug/L	267.345
67 Zn	96.921671	0.783	10520.681	ug/L	1492.357
66 Zn	100.903157	1.780	55055.819	ug/L	592.390
72 Ge			2004241.578	ug/L	2104942.104
108 Cd	97.835262	2.176	18277.742	ug/L	29.486
114 Cd	97.706695	0.962	586558.333	ug/L	141.940
115 In			1987544.637	ug/L	1982073.555
208 207.977	97.100951	0.499	1352181.572	ug/L	558.351
207 Pb	98.337792	0.775	571750.130	ug/L	223.336
206 Pb	97.648371	0.858	771708.625	ug/L	308.672
169 Tm			1376660.509	ug/L	1329102.281
106 Pd	99.326982	0.427	24327.104	ug/L	55.334
83 Kr	54.259988	57.097	514.682	ug/L	474.346
182 W			99.002	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	93.954
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	95.216
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.276
Pb	208	
Tm-1	169	103.578
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	95.216
Cd	108	
Cd	114	
In	115	100.276
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.578
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: CCB 5

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 20:10:42

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 5.040

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1					808611.784	ug/L	854235.854	
9 Be	-0.002198	139.071			2.667	ug/L	3.667	
27 Al	2.943549	5.566			151276.203	ug/L	134965.982	
52 Cr	-0.118900	91.689			25270.499	ug/L	27671.053	
55 Mn	-0.005004	236.881			4257.037	ug/L	4526.170	
59 Co	0.007075	15.071			205.336	ug/L	116.334	
60 Ni	0.002563	141.277			217.261	ug/L	218.354	
65 Cu	-0.032450	6.745			223.918	ug/L	330.637	
68 Zn	-0.574248	2.752			1652.823	ug/L	2414.667	
75 As	-0.179904	14.687			17630.617	ug/L	18867.308	
72 Ge-1					2022888.221	ug/L	2104942.104	
111 Cd	-0.003780	172.916			40.886	ug/L	49.935	
121 Sb	0.027995	62.002			1665.493	ug/L	1405.114	
135 Ba	0.023024	46.387			364.674	ug/L	299.672	
115 In-1					2027930.620	ug/L	1982073.555	
208 Pb	0.006098	16.478			1301.704	ug/L	1090.359	
169 Tm-1					1380665.741	ug/L	1329102.281	
50 Cr	0.722710	11.916			-88.291	ug/L	-304.545	
53 Cr	-9.323903	24.256			24583.754	ug/L	30306.384	
61 Ni	-0.518591	490.760			2525.689	ug/L	2653.794	
63 Cu	-0.034501	41.093			183.339	ug/L	267.345	
67 Zn	-0.674712	166.396			1369.968	ug/L	1492.357	
66 Zn	0.141373	49.711			646.067	ug/L	592.390	
72 Ge					2022888.221	ug/L	2104942.104	
108 Cd	0.025952	56.587			35.091	ug/L	29.486	
114 Cd	0.000317	1534.427			146.771	ug/L	141.940	
115 In					2027930.620	ug/L	1982073.555	
208 207.977	0.007017	13.094			678.026	ug/L	558.351	
207 Pb	0.007946	10.384			278.338	ug/L	223.336	
206 Pb	0.003120	76.202			345.340	ug/L	308.672	
169 Tm					1380665.741	ug/L	1329102.281	
106 Pd	-0.015005	166.639			51.667	ug/L	55.334	
83 Kr	11.210735	389.646			482.680	ug/L	474.346	
182 W					10.667	ug/L	5.333	

Report Date/Time: Wednesday, November 22, 2006 20:12:17

Page 1

G6K090141

Sample ID: CCB 5

STL Sacramento (916) 373 - 5600

124 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	94.659
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.102
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.314
Pb	208	
Tm-1	169	103.880
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.102
Cd	108	
Cd	114	
In	115	102.314
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.880
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: CCV 6

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 20:14:28

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 6.041

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			795390.914	ug/L	854235.854
9 Be	101.420362	1.226	36776.797	ug/L	3.667
27 Al	5021.383411	0.670	37490413.789	ug/L	134965.982
52 Cr	96.003601	0.187	1110150.823	ug/L	27671.053
55 Mn	95.749614	1.080	1776819.676	ug/L	4526.170
59 Co	98.326988	0.272	1320509.278	ug/L	116.334
60 Ni	96.374952	0.987	281037.766	ug/L	218.354
65 Cu	98.983821	0.463	290944.667	ug/L	330.637
68 Zn	96.891358	1.003	116648.109	ug/L	2414.667
75 As	98.398086	0.497	296400.280	ug/L	18867.308
72 Ge-1			2052670.934	ug/L	2104942.104
111 Cd	97.844895	1.761	263317.450	ug/L	49.935
121 Sb	49.288464	1.506	398875.668	ug/L	1405.114
135 Ba	98.678253	1.955	246867.985	ug/L	299.672
115 In-1			2020092.629	ug/L	1982073.555
208 Pb	96.051937	0.476	2672066.075	ug/L	1090.359
169 Tm-1			1385439.525	ug/L	1329102.281
50 Cr	91.007672	2.715	25838.019	ug/L	-304.545
53 Cr	89.485237	1.037	73729.308	ug/L	30306.384
61 Ni	97.739544	2.731	7342.618	ug/L	2653.794
63 Cu	98.555070	0.493	214407.116	ug/L	267.345
67 Zn	97.539145	2.181	10834.085	ug/L	1492.357
66 Zn	99.764085	0.682	55757.708	ug/L	592.390
72 Ge			2052670.934	ug/L	2104942.104
108 Cd	99.379799	0.363	18872.555	ug/L	29.486
114 Cd	97.478905	1.720	594726.420	ug/L	141.940
115 In			2020092.629	ug/L	1982073.555
208 207.977	95.747442	0.604	1341872.437	ug/L	558.351
207 Pb	96.745062	0.697	566081.363	ug/L	223.336
206 Pb	96.078537	0.891	764112.275	ug/L	308.672
169 Tm			1385439.525	ug/L	1329102.281
106 Pd	101.284500	1.296	24805.448	ug/L	55.334
83 Kr	115.246721	17.275	560.018	ug/L	474.346
182 W			86.668	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	93.111
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	97.517
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.918
Pb	208	
Tm-1	169	104.239
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	97.517
Cd	108	
Cd	114	
In	115	101.918
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.239
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: CCB 6

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 20:18:14

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 6.042

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1			772773.501	ug/L	854235.854	
9 Be	0.007618	37.643	6.000	ug/L	3.667	
27 Al	3.234225	17.477	153955.960	ug/L	134965.982	
52 Cr	0.106954	107.501	27875.037	ug/L	27671.053	
55 Mn	-0.000695	818.271	4352.416	ug/L	4526.170	
59 Co	0.008522	12.001	225.336	ug/L	116.334	
60 Ni	0.003915	96.152	221.831	ug/L	218.354	
65 Cu	-0.026580	6.266	241.757	ug/L	330.637	
68 Zn	-0.506295	14.908	1738.506	ug/L	2414.667	
75 As	0.200801	77.493	18755.836	ug/L	18867.308	
72 Ge-1			2030346.878	ug/L	2104942.104	
111 Cd	0.002693	305.474	58.477	ug/L	49.935	
121 Sb	0.036455	69.646	1725.171	ug/L	1405.114	
135 Ba	0.013359	48.778	339.007	ug/L	299.672	
115 In-1			2022177.653	ug/L	1982073.555	
208 Pb	0.008494	31.224	1349.040	ug/L	1090.359	
169 Tm-1			1362017.491	ug/L	1329102.281	
50 Cr	0.806596	5.298	-64.654	ug/L	-304.545	
53 Cr	-6.367713	40.777	26114.099	ug/L	30306.384	
61 Ni	1.896558	80.001	2651.459	ug/L	2653.794	
63 Cu	-0.029213	23.900	195.006	ug/L	267.345	
67 Zn	0.968796	75.760	1531.376	ug/L	1492.357	
66 Zn	0.137672	14.361	646.734	ug/L	592.390	
72 Ge			2030346.878	ug/L	2104942.104	
108 Cd	0.057050	11.766	40.904	ug/L	29.486	
114 Cd	0.003609	39.514	166.737	ug/L	141.940	
115 In			2022177.653	ug/L	1982073.555	
208 207.977	0.008337	44.467	686.694	ug/L	558.351	
207 Pb	0.009966	38.598	286.005	ug/L	223.336	
206 Pb	0.007686	26.042	376.341	ug/L	308.672	
169 Tm			1362017.491	ug/L	1329102.281	
106 Pd	0.004092	642.910	56.334	ug/L	55.334	
83 Kr	23.318314	158.453	491.681	ug/L	474.346	
182 W			9.000	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
> Li-1	6		90.464
Be	9		
Al	27		
Cr	52		
Mn	55		
Co	59		
Ni	60		
Cu	65		
Zn	68		
As	75		
> Ge-1	72		96.456
Cd	111		
Sb	121		
Ba	135		
> In-1	115		102.023
Pb	208		
> Tm-1	169		102.476
Cr	50		
Cr	53		
Ni	61		
Cu	63		
Zn	67		
Zn	66		
> Ge	72		96.456
Cd	108		
Cd	114		
> In	115		102.023
207.977	208		
Pb	207		
Pb	206		
> Tm	169		102.476
Pd	106		
Kr	83		
W	182		

Sample ID: JJACE

Sample Description: G6K090141-1

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 20:25:47

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJACE.044

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 38

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			784517.441	ug/L	854235.854
9 Be	0.000822	515.743	3.667	ug/L	3.667
27 Al	242.478050	1.079	1924239.354	ug/L	134965.982
52 Cr	1.168990	5.753	39935.606	ug/L	27671.053
55 Mn	8.917112	1.789	168472.877	ug/L	4526.170
59 Co	0.291426	1.741	4003.583	ug/L	116.334
60 Ni	0.808670	4.111	2553.890	ug/L	218.354
65 Cu	10.287244	1.490	30345.959	ug/L	330.637
68 Zn	5.888578	2.606	9246.217	ug/L	2414.667
75 As	0.646955	24.607	20106.993	ug/L	18867.308
72 Ge-1			2040669.591	ug/L	2104942.104
111 Cd	0.046090	17.719	176.737	ug/L	49.935
121 Sb	-0.021907	15.659	1269.759	ug/L	1405.114
135 Ba	5.680992	2.805	14667.284	ug/L	299.672
115 In-1			2043708.244	ug/L	1982073.555
208 Pb	1.565356	1.043	44813.403	ug/L	1090.359
169 Tm-1			1390096.668	ug/L	1329102.281
50 Cr	3.817687	4.942	794.447	ug/L	-304.545
53 Cr	-36.284688	4.225	11576.475	ug/L	30306.384
61 Ni	-1.649778	91.756	2492.661	ug/L	2653.794
63 Cu	10.315868	0.767	22542.347	ug/L	267.345
67 Zn	-0.652102	142.235	1384.641	ug/L	1492.357
66 Zn	6.730376	3.340	4274.589	ug/L	592.390
72 Ge			2040669.591	ug/L	2104942.104
108 Cd	0.105863	74.371	50.783	ug/L	29.486
114 Cd	0.030524	13.610	334.464	ug/L	141.940
115 In			2043708.244	ug/L	1982073.555
208 207.977	1.620095	1.548	23354.798	ug/L	558.351
207 Pb	1.611621	1.264	9691.030	ug/L	223.336
206 Pb	1.434861	0.986	11767.574	ug/L	308.672
169 Tm			1390096.668	ug/L	1329102.281
106 Pd	0.418782	15.212	157.668	ug/L	55.334
83 Kr	0.448397	4371.813	474.680	ug/L	474.346
182 W			936.474	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	91.839
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.947
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.110
Pb	208	
Tm-1	169	104.589
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.947
Cd	108	
Cd	114	
In	115	103.110
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.589
Pd	106	
Kr	83	
W	182	

Sample ID: JJACEP5

Sample Description: G6K090141-1 5X

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 20:29:34

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJACEP5.045

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 39

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1			783389.745	ug/L	854235.854	
9 Be	-0.005678	28.692	1.333	ug/L	3.667	
27 Al	37.181415	1.829	407657.766	ug/L	134965.982	
52 Cr	0.520046	18.649	32814.850	ug/L	27671.053	
55 Mn	2.021734	1.749	41771.817	ug/L	4526.170	
59 Co	0.062540	5.222	951.385	ug/L	116.334	
60 Ni	0.172746	16.018	714.352	ug/L	218.354	
65 Cu	2.054040	1.046	6343.323	ug/L	330.637	
68 Zn	7.350632	1.457	11007.920	ug/L	2414.667	
75 As	0.296452	11.501	19209.204	ug/L	18867.308	
72 Ge-1			2049659.782	ug/L	2104942.104	
111 Cd	0.004584	40.291	63.853	ug/L	49.935	
121 Sb	-0.110594	1.795	546.017	ug/L	1405.114	
135 Ba	1.164736	3.650	3249.603	ug/L	299.672	
115 In-1			2041895.145	ug/L	1982073.555	
208 Pb	0.346190	2.412	10697.200	ug/L	1090.359	
169 Tm-1			1377094.437	ug/L	1329102.281	
50 Cr	1.211439	10.388	50.442	ug/L	-304.545	
53 Cr	-2.856878	121.013	28117.730	ug/L	30306.384	
61 Ni	1.434904	227.767	2654.798	ug/L	2653.794	
63 Cu	2.080238	0.659	4773.644	ug/L	267.345	
67 Zn	6.348208	0.191	2062.681	ug/L	1492.357	
66 Zn	8.367396	2.080	5198.991	ug/L	592.390	
72 Ge			2049659.782	ug/L	2104942.104	
108 Cd	-0.114007	44.472	8.632	ug/L	29.486	
114 Cd	-0.001072	235.192	139.791	ug/L	141.940	
115 In			2041895.145	ug/L	1982073.555	
208 207.977	0.359431	2.742	5582.781	ug/L	558.351	
207 Pb	0.363946	5.245	2346.648	ug/L	223.336	
206 Pb	0.309795	1.141	2767.771	ug/L	308.672	
169 Tm			1377094.437	ug/L	1329102.281	
106 Pd	-0.066841	28.057	39.000	ug/L	55.334	
83 Kr	42.152374	88.234	505.681	ug/L	474.346	
182 W			202.007	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	91.706
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	97.374
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.018
Pb	208	
Tm-1	169	103.611
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	97.374
Cd	108	
Cd	114	
In	115	103.018
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.611
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: JJACEZ

Sample Description: G6K090141-1 PS

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 20:33:21

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJACEZ.046

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 40

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			744988.735	ug/L	854235.854
9 Be	192.702349	0.767	65446.244	ug/L	3.667
27 Al	1141.785255	1.012	8481124.089	ug/L	134965.982
52 Cr	177.525276	2.368	1995327.071	ug/L	27671.053
55 Mn	189.338373	2.361	3449495.092	ug/L	4526.170
59 Co	181.053910	1.632	2390282.586	ug/L	116.334
60 Ni	182.479542	1.791	522913.031	ug/L	218.354
65 Cu	196.085813	2.436	566240.538	ug/L	330.637
68 Zn	201.887581	0.928	236434.543	ug/L	2414.667
75 As	183.980439	1.303	529075.749	ug/L	18867.308
72 Ge-1			2018137.870	ug/L	2104942.104
111 Cd	179.914226	1.061	493522.209	ug/L	49.935
121 Sb	43.202494	3.381	356561.853	ug/L	1405.114
135 Ba	189.985448	0.841	484239.668	ug/L	299.672
115 In-1			2059092.723	ug/L	1982073.555
208 Pb	183.954992	0.992	5098693.973	ug/L	1090.359
169 Tm-1			1380719.736	ug/L	1329102.281
50 Cr	157.850343	5.480	44259.350	ug/L	-304.545
53 Cr	146.568470	4.302	100169.867	ug/L	30306.384
61 Ni	180.819660	1.158	11192.008	ug/L	2653.794
63 Cu	192.501718	1.873	411431.153	ug/L	267.345
67 Zn	194.140397	1.925	19784.453	ug/L	1492.357
66 Zn	202.302808	2.639	110553.060	ug/L	592.390
72 Ge			2018137.870	ug/L	2104942.104
108 Cd	178.615958	0.622	34549.967	ug/L	29.486
114 Cd	177.120783	1.320	1101460.645	ug/L	141.940
115 In			2059092.723	ug/L	1982073.555
208 207.977	187.001932	0.598	2611173.306	ug/L	558.351
207 Pb	191.204665	1.516	1114716.486	ug/L	223.336
206 Pb	173.252147	1.676	1372804.180	ug/L	308.672
169 Tm			1380719.736	ug/L	1329102.281
106 Pd	191.347956	0.323	46813.563	ug/L	55.334
83 Kr	56.502130	41.056	516.349	ug/L	474.346
182 W			1015.498	ug/L	5.333

Report Date/Time: Wednesday, November 22, 2006 20:34:56

Page 1

Sample ID: JJACEZ

G6K090141

STL Sacramento (916) 373 - 5600

134 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	87.211
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	95.876
Cd	111	
Sb	121	
Ba	135	
> In-1	115	103.886
Pb	208	
> Tm-1	169	103.884
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	95.876
Cd	108	
Cd	114	
> In	115	103.886
207.977	208	
Pb	207	
Pb	206	
> Tm	169	103.884
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: JJACG

Sample Description: G6K090141-2

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 20:37:08

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJACG.047

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 41

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1			763330.573	ug/L	854235.854	
9 Be	0.010623	50.176	7.000	ug/L	3.667	
27 Al	252.305235	1.105	1947303.275	ug/L	134965.982	
52 Cr	1.286966	0.710	40236.982	ug/L	27671.053	
55 Mn	11.506988	1.919	210743.382	ug/L	4526.170	
59 Co	0.429635	1.400	5702.524	ug/L	116.334	
60 Ni	10.038843	2.001	28563.734	ug/L	218.354	
65 Cu	11.708197	1.652	33633.870	ug/L	330.637	
68 Zn	7.127920	3.270	10432.216	ug/L	2414.667	
75 As	0.699718	19.226	19752.098	ug/L	18867.308	
72 Ge-1			1990007.830	ug/L	2104942.104	
111 Cd	0.056447	3.038	199.869	ug/L	49.935	
121 Sb	0.501879	11.516	5396.336	ug/L	1405.114	
135 Ba	7.078838	3.116	17731.956	ug/L	299.672	
115 In-1			1991131.708	ug/L	1982073.555	
208 Pb	1.799966	1.530	50884.074	ug/L	1090.359	
169 Tm-1			1377396.351	ug/L	1329102.281	
50 Cr	4.501720	5.742	964.766	ug/L	-304.545	
53 Cr	-36.179374	5.112	11333.927	ug/L	30306.384	
61 Ni	8.673707	28.322	2918.364	ug/L	2653.794	
63 Cu	11.733311	2.502	24963.656	ug/L	267.345	
67 Zn	0.768353	115.021	1482.352	ug/L	1492.357	
66 Zn	7.999208	4.052	4847.758	ug/L	592.390	
72 Ge			1990007.830	ug/L	2104942.104	
108 Cd	0.117698	16.003	51.561	ug/L	29.486	
114 Cd	0.042442	8.650	397.944	ug/L	141.940	
115 In			1991131.708	ug/L	1982073.555	
208 207.977	1.856117	1.298	26425.844	ug/L	558.351	
207 Pb	1.867609	2.704	11088.689	ug/L	223.336	
206 Pb	1.651255	1.253	13369.540	ug/L	308.672	
169 Tm			1377396.351	ug/L	1329102.281	
106 Pd	0.469255	11.337	170.002	ug/L	55.334	
83 Kr	-14.349733	192.435	463.679	ug/L	474.346	
182 W			911.466	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	89.358
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	94.540
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.457
Pb	208	
Tm-1	169	103.634
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	94.540
Cd	108	
Cd	114	
In	115	100.457
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.634
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: JJACH

Sample Description: G6K090141-3

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 20:40:56

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJACH.048

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 42

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			755674.551	ug/L	854235.854
9 Be	0.000251	1751.598	3.333	ug/L	3.667
27 Al	223.007951	3.233	1716610.905	ug/L	134965.982
52 Cr	1.366722	8.798	40647.544	ug/L	27671.053
55 Mn	10.100705	3.608	183450.567	ug/L	4526.170
59 Co	0.396979	4.052	5218.223	ug/L	116.334
60 Ni	3.453218	1.473	9851.449	ug/L	218.354
65 Cu	11.593959	2.973	32941.896	ug/L	330.637
68 Zn	5.301802	1.450	8254.893	ug/L	2414.667
75 As	0.721543	12.135	19596.035	ug/L	18867.308
72 Ge-1			1968341.382	ug/L	2104942.104
111 Cd	0.050004	10.795	184.184	ug/L	49.935
121 Sb	0.094480	7.886	2178.605	ug/L	1405.114
135 Ba	6.200035	3.106	15688.053	ug/L	299.672
115 In-1			2006658.671	ug/L	1982073.555
208 Pb	1.732657	2.241	49010.905	ug/L	1090.359
169 Tm-1			1376990.907	ug/L	1329102.281
50 Cr	3.997586	15.871	816.182	ug/L	-304.545
53 Cr	-33.982499	6.980	12239.675	ug/L	30306.384
61 Ni	4.108690	10.845	2673.143	ug/L	2653.794
63 Cu	11.797757	2.687	24824.216	ug/L	267.345
67 Zn	-0.838799	136.099	1316.945	ug/L	1492.357
66 Zn	5.931006	1.600	3700.191	ug/L	592.390
72 Ge			1968341.382	ug/L	2104942.104
108 Cd	0.072715	70.748	43.685	ug/L	29.486
114 Cd	0.031011	25.347	330.916	ug/L	141.940
115 In			2006658.671	ug/L	1982073.555
208 207.977	1.782844	3.010	25396.814	ug/L	558.351
207 Pb	1.783050	2.303	10595.746	ug/L	223.336
206 Pb	1.607146	1.234	13018.345	ug/L	308.672
169 Tm			1376990.907	ug/L	1329102.281
106 Pd	0.440608	8.860	163.002	ug/L	55.334
83 Kr	-21.076148	147.546	458.679	ug/L	474.346
182 W			1087.856	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	88.462
Be	9	
> Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	93.510
Cd	111	
Sb	121	
Ba	135	
> In-1	115	101.240
Pb	208	
> Tm-1	169	103.603
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	93.510
Cd	108	
Cd	114	
> In	115	101.240
207.977	208	
Pb	207	
Pb	206	
> Tm	169	103.603
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: JJACJ

Sample Description: G6K090141-4

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 20:44:44

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJACJ.049

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 43

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			760813.420	ug/L	854235.854
9 Be	-0.006551	43.700	1.000	ug/L	3.667
27 Al	-5.386443	5.802	88059.598	ug/L	134965.982
52 Cr	1.112548	11.154	38028.141	ug/L	27671.053
55 Mn	0.347437	3.527	10433.216	ug/L	4526.170
59 Co	1.410155	2.635	18327.179	ug/L	116.334
60 Ni	1.103276	2.052	3297.669	ug/L	218.354
65 Cu	1.193111	2.323	3680.227	ug/L	330.637
68 Zn	0.575213	3.068	2918.487	ug/L	2414.667
75 As	0.320381	31.684	18572.020	ug/L	18867.308
72 Ge-1			1975185.695	ug/L	2104942.104
111 Cd	0.002976	184.114	57.922	ug/L	49.935
121 Sb	-0.092339	2.271	677.360	ug/L	1405.114
135 Ba	1.106391	0.593	3025.857	ug/L	299.672
115 In-1			1990955.408	ug/L	1982073.555
208 Pb	0.148887	2.180	5234.276	ug/L	1090.359
169 Tm-1			1374277.177	ug/L	1329102.281
50 Cr	1.893910	8.345	237.071	ug/L	-304.545
53 Cr	-33.363927	8.108	12574.366	ug/L	30306.384
61 Ni	2.787809	233.607	2617.102	ug/L	2653.794
63 Cu	1.197584	2.684	2754.213	ug/L	267.345
67 Zn	-5.565926	15.806	884.459	ug/L	1492.357
66 Zn	1.358876	2.289	1278.928	ug/L	592.390
72 Ge			1975185.695	ug/L	2104942.104
108 Cd	0.076437	39.729	43.829	ug/L	29.486
114 Cd	-0.003578	71.954	121.031	ug/L	141.940
115 In			1990955.408	ug/L	1982073.555
208 207.977	0.155763	0.844	2741.763	ug/L	558.351
207 Pb	0.151291	7.424	1108.737	ug/L	223.336
206 Pb	0.135001	4.427	1383.776	ug/L	308.672
169 Tm			1374277.177	ug/L	1329102.281
106 Pd	0.195067	13.101	103.001	ug/L	55.334
83 Kr	-85.201193	12.924	411.010	ug/L	474.346
182 W			338.018	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	89.064
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	93.836
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.448
Pb	208	
Tm-1	169	103.399
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	93.836
Cd	108	
Cd	114	
In	115	100.448
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.399
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: JJACK

Sample Description: G6K090141-5

Batch ID: 6326120

Sample Date/Time: Wednesday, November 22, 2006 20:48:33

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\JJACK.050

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 44

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			769438.923	ug/L	854235.854
9 Be	0.024793	11.559	12.000	ug/L	3.667
27 Al	943.787464	1.825	6860682.625	ug/L	134965.982
52 Cr	1.932772	7.522	46790.828	ug/L	27671.053
55 Mn	33.613153	2.177	600960.826	ug/L	4526.170
59 Co	2.364724	3.515	30560.294	ug/L	116.334
60 Ni	2.153874	1.050	6223.921	ug/L	218.354
65 Cu	63.000448	2.729	177699.930	ug/L	330.637
68 Zn	16.014905	0.610	20379.710	ug/L	2414.667
75 As	1.276977	14.796	21105.519	ug/L	18867.308
72 Ge-1			1968929.768	ug/L	2104942.104
111 Cd	0.112183	8.123	352.309	ug/L	49.935
121 Sb	0.098987	3.841	2227.950	ug/L	1405.114
135 Ba	16.058318	1.494	40386.659	ug/L	299.672
115 In-1			2017846.302	ug/L	1982073.555
208 Pb	2.422658	1.682	68759.401	ug/L	1090.359
169 Tm-1			1390744.999	ug/L	1329102.281
50 Cr	9.113004	5.313	2224.607	ug/L	-304.545
53 Cr	-34.035275	7.509	12223.652	ug/L	30306.384
61 Ni	3.739987	110.864	2655.464	ug/L	2653.794
63 Cu	62.358109	2.038	130200.222	ug/L	267.345
67 Zn	8.431954	15.945	2172.756	ug/L	1492.357
66 Zn	16.903645	2.557	9520.482	ug/L	592.390
72 Ge			1968929.768	ug/L	2104942.104
108 Cd	0.131629	29.997	54.992	ug/L	29.486
114 Cd	0.076966	2.986	613.438	ug/L	141.940
115 In			2017846.302	ug/L	1982073.555
208 207.977	2.483016	1.970	35496.862	ug/L	558.351
207 Pb	2.521123	1.689	15034.573	ug/L	223.336
206 Pb	2.243857	1.467	18227.967	ug/L	308.672
169 Tm			1390744.999	ug/L	1329102.281
106 Pd	1.103577	3.168	325.006	ug/L	55.334
83 Kr	-29.147829	138.564	452.678	ug/L	474.346
182 W			1336.619	ug/L	5.333

Report Date/Time: Wednesday, November 22, 2006 20:50:09

Page 1

G6K090141 Sample ID: JJACK

STL Sacramento (916) 373 - 5600

142 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	90.073
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	93.538
Cd	111	
Sb	121	
Ba	135	
> In-1	115	101.805
Pb	208	
> Tm-1	169	104.638
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	93.538
Cd	108	
Cd	114	
> In	115	101.805
207.977	208	
Pb	207	
Pb	206	
> Tm	169	104.638
Pd	106	
Kr	83	
W	182	

Report Date/Time: Wednesday, November 22, 2006 20:50:09

Page 2

G6K09014 Sample ID: JJACK

STL Sacramento (916) 373 - 5600

143 of 276

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 7

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 20:59:51

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\06112b1\CCV 7.053

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			759492.694	ug/L	854235.854
9 Be	103.442415	2.589	35800.767	ug/L	3.667
27 Al	5149.770654	0.665	37429175.789	ug/L	134965.982
52 Cr	97.237337	0.810	1094340.487	ug/L	27671.053
55 Mn	95.868119	0.854	1731957.284	ug/L	4526.170
59 Co	98.562004	0.693	1288747.012	ug/L	116.334
60 Ni	97.417505	1.183	276557.925	ug/L	218.354
65 Cu	99.324901	1.861	284207.659	ug/L	330.637
68 Zn	96.991543	0.966	113676.666	ug/L	2414.667
75 As	98.639275	0.242	289232.208	ug/L	18867.308
72 Ge-1			1998461.551	ug/L	2104942.104
111 Cd	97.858843	1.622	259733.368	ug/L	49.935
121 Sb	49.137476	0.265	392199.890	ug/L	1405.114
135 Ba	98.933593	1.070	244109.673	ug/L	299.672
115 In-1			1992179.556	ug/L	1982073.555
208 Pb	96.163165	2.450	2634751.038	ug/L	1090.359
169 Tm-1			1364878.621	ug/L	1329102.281
50 Cr	93.402609	3.673	25830.597	ug/L	-304.545
53 Cr	92.802057	2.578	73370.704	ug/L	30306.384
61 Ni	94.405996	6.003	6992.158	ug/L	2653.794
63 Cu	98.244980	0.247	208091.208	ug/L	267.345
67 Zn	98.698633	2.618	10656.143	ug/L	1492.357
66 Zn	99.657629	0.940	54225.419	ug/L	592.390
72 Ge			1998461.551	ug/L	2104942.104
108 Cd	98.102091	1.388	18372.035	ug/L	29.486
114 Cd	97.856774	0.855	588842.990	ug/L	141.940
115 In			1992179.556	ug/L	1982073.555
208 207.977	95.534382	3.206	1318528.299	ug/L	558.351
207 Pb	96.941516	2.223	558685.384	ug/L	223.336
206 Pb	96.698493	1.309	757537.355	ug/L	308.672
169 Tm			1364878.621	ug/L	1329102.281
106 Pd	99.794811	1.036	24441.424	ug/L	55.334
83 Kr	12.107626	455.599	483.347	ug/L	474.346
182 W			108.002	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	88.909
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	94.941
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.510
Pb	208	
Tm-1	169	102.692
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	94.941
Cd	108	
Cd	114	
In	115	100.510
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.692
Pd	106	
Kr	83	
W	182	

Sample ID: CCB 7

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:03:38

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 7.054

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			765681.412	ug/L	854235.854
9 Be	0.017248	48.665	9.333	ug/L	3.667
27 Al	3.663506	2.850	156925.783	ug/L	134965.982
52 Cr	0.187140	43.272	28741.838	ug/L	27671.053
55 Mn	-0.011749	20.372	4144.648	ug/L	4526.170
59 Co	0.011278	13.293	261.671	ug/L	116.334
60 Ni	0.006594	55.237	229.240	ug/L	218.354
65 Cu	-0.022579	6.221	252.978	ug/L	330.637
68 Zn	-0.592119	13.861	1635.486	ug/L	2414.667
75 As	0.067743	73.348	18362.457	ug/L	18867.308
72 Ge-1			2027534.740	ug/L	2104942.104
111 Cd	0.003785	140.729	61.836	ug/L	49.935
121 Sb	0.030723	70.214	1698.166	ug/L	1405.114
135 Ba	0.023660	36.656	369.008	ug/L	299.672
115 In-1			2043661.142	ug/L	1982073.555
208 Pb	0.006548	45.562	1315.038	ug/L	1090.359
169 Tm-1			1381020.338	ug/L	1329102.281
50 Cr	0.729317	2.725	-86.499	ug/L	-304.545
53 Cr	-5.226721	26.706	26644.167	ug/L	30306.384
61 Ni	1.179647	252.685	2612.093	ug/L	2653.794
63 Cu	-0.030846	8.325	191.339	ug/L	267.345
67 Zn	0.481138	79.167	1483.352	ug/L	1492.357
66 Zn	0.100037	67.906	625.063	ug/L	592.390
72 Ge			2027534.740	ug/L	2104942.104
108 Cd	0.080038	59.684	45.660	ug/L	29.486
114 Cd	0.008682	34.509	199.748	ug/L	141.940
115 In			2043661.142	ug/L	1982073.555
208 207.977	0.006574	51.140	672.359	ug/L	558.351
207 Pb	0.009239	17.299	286.005	ug/L	223.336
206 Pb	0.004523	87.698	356.674	ug/L	308.672
169 Tm			1381020.338	ug/L	1329102.281
106 Pd	0.038195	40.564	64.667	ug/L	55.334
83 Kr	-16.591879	142.527	462.012	ug/L	474.346
182 W			9.667	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[> Li-1	6	89.633
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	96.323
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	103.107
Pb	208	
[> Tm-1	169	103.906
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	96.323
Cd	108	
Cd	114	
[> In	115	103.107
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	103.906
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 8

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:07:24

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 8.055

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1					747876.517	ug/L	854235.854	
9 Be	103.594366	1.706			35314.460	ug/L	3.667	
27 Al	5173.117184	0.583			38123631.718	ug/L	134965.982	
52 Cr	95.258615	0.328			1087622.390	ug/L	27671.053	
55 Mn	94.572291	1.341			1732435.233	ug/L	4526.170	
59 Co	97.566596	2.845			1293303.945	ug/L	116.334	
60 Ni	96.752551	1.204			278514.943	ug/L	218.354	
65 Cu	98.343563	1.576			285353.782	ug/L	330.637	
68 Zn	96.335526	0.591			114504.717	ug/L	2414.667	
75 As	98.799592	1.458			293700.972	ug/L	18867.308	
72 Ge-1					2026383.926	ug/L	2104942.104	
111 Cd	96.632638	1.604			260763.374	ug/L	49.935	
121 Sb	48.688403	2.364			395067.597	ug/L	1405.114	
135 Ba	99.378028	0.487			249323.482	ug/L	299.672	
115 In-1					2025642.213	ug/L	1982073.555	
208 Pb	96.005319	1.567			2642090.099	ug/L	1090.359	
169 Tm-1					1370693.504	ug/L	1329102.281	
50 Cr	92.394381	6.026			25908.382	ug/L	-304.545	
53 Cr	93.379345	1.804			74685.082	ug/L	30306.384	
61 Ni	97.517536	2.973			7238.377	ug/L	2653.794	
63 Cu	97.991704	1.675			210443.317	ug/L	267.345	
67 Zn	98.740922	0.457			10809.665	ug/L	1492.357	
66 Zn	99.060457	0.653			54658.205	ug/L	592.390	
72 Ge					2026383.926	ug/L	2104942.104	
108 Cd	96.119508	1.886			18301.445	ug/L	29.486	
114 Cd	97.176605	1.465			594523.212	ug/L	141.940	
115 In					2025642.213	ug/L	1982073.555	
208 207.977	95.912290	1.541			1329753.267	ug/L	558.351	
207 Pb	95.874482	1.506			554949.022	ug/L	223.336	
206 Pb	96.265508	1.922			757387.810	ug/L	308.672	
169 Tm					1370693.504	ug/L	1329102.281	
106 Pd	100.812541	0.428			24690.119	ug/L	55.334	
83 Kr	64.573879	20.554			522.349	ug/L	474.346	
182 W					104.002	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	87.549
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.268
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.198
Pb	208	
Tm-1	169	103.129
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.268
Cd	108	
Cd	114	
In	115	102.198
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.129
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 8

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:11:10

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 8.056

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			746988.425	ug/L	854235.854
9 Be	0.013099	56.632	7.667	ug/L	3.667
27 Al	4.122785	11.636	160293.444	ug/L	134965.982
52 Cr	0.362562	25.348	30691.425	ug/L	27671.053
55 Mn	-0.006284	133.237	4244.363	ug/L	4526.170
59 Co	0.011869	23.777	269.338	ug/L	116.334
60 Ni	0.015408	45.300	254.680	ug/L	218.354
65 Cu	-0.027366	17.492	239.194	ug/L	330.637
68 Zn	-0.434450	11.013	1819.523	ug/L	2414.667
75 As	0.208874	94.107	18754.909	ug/L	18867.308
72 Ge-1			2027655.878	ug/L	2104942.104
111 Cd	0.002317	266.426	57.712	ug/L	49.935
121 Sb	0.037937	79.686	1757.512	ug/L	1405.114
135 Ba	0.028292	26.866	380.675	ug/L	299.672
115 In-1			2044590.526	ug/L	1982073.555
208 Pb	0.010647	4.646	1421.044	ug/L	1090.359
169 Tm-1			1374245.019	ug/L	1329102.281
50 Cr	0.707787	8.564	-92.660	ug/L	-304.545
53 Cr	-3.116755	92.600	27667.428	ug/L	30306.384
61 Ni	-0.865711	209.483	2514.345	ug/L	2653.794
63 Cu	-0.026161	14.459	201.340	ug/L	267.345
67 Zn	0.890885	134.473	1521.705	ug/L	1492.357
66 Zn	0.247612	30.395	706.080	ug/L	592.390
72 Ge			2027655.878	ug/L	2104942.104
108 Cd	0.042906	171.428	38.623	ug/L	29.486
114 Cd	0.008160	9.427	196.815	ug/L	141.940
115 In			2044590.526	ug/L	1982073.555
208 207.977	0.009849	18.497	714.363	ug/L	558.351
207 Pb	0.012214	28.246	301.672	ug/L	223.336
206 Pb	0.010902	17.634	405.009	ug/L	308.672
169 Tm			1374245.019	ug/L	1329102.281
106 Pd	0.016369	354.729	59.334	ug/L	55.334
83 Kr	3.139008	1325.338	476.680	ug/L	474.346
182 W			11.333	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	87.445
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.328
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.154
Pb	208	
Tm-1	169	103.396
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.328
Cd	108	
Cd	114	
In	115	103.154
207.977	208	
Pb	207	
Pb	206	
Tm	169	103.396
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: LLSTD 10X

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:18:43

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\LLSTD 10X.058

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 9

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			831501.954	ug/L	854235.854
9 Be	0.914439	7.635	350.007	ug/L	3.667
27 Al	44.738883	0.707	492809.586	ug/L	134965.982
52 Cr	1.932033	7.428	51762.793	ug/L	27671.053
55 Mn	1.115999	0.974	26602.047	ug/L	4526.170
59 Co	1.021342	2.110	14672.295	ug/L	116.334
60 Ni	1.041934	0.643	3447.309	ug/L	218.354
65 Cu	1.114467	1.920	3813.742	ug/L	330.637
68 Zn	11.397274	1.367	16763.044	ug/L	2414.667
75 As	0.182995	54.063	20070.582	ug/L	18867.308
72 Ge-1			2177919.268	ug/L	2104942.104
111 Cd	0.869843	1.803	2757.480	ug/L	49.935
121 Sb	0.310500	1.941	4538.510	ug/L	1405.114
135 Ba	0.937643	2.759	3054.200	ug/L	299.672
115 In-1			2329176.734	ug/L	1982073.555
208 Pb	0.973189	0.729	30555.806	ug/L	1090.359
169 Tm-1			1501290.272	ug/L	1329102.281
50 Cr	1.810612	9.749	236.556	ug/L	-304.545
53 Cr	17.868520	17.142	40713.056	ug/L	30306.384
61 Ni	11.885837	10.995	3359.138	ug/L	2653.794
63 Cu	1.142967	2.784	2911.690	ug/L	267.345
67 Zn	12.212478	7.594	2790.246	ug/L	1492.357
66 Zn	12.589119	0.765	8000.896	ug/L	592.390
72 Ge			2177919.268	ug/L	2104942.104
108 Cd	0.663105	12.463	179.698	ug/L	29.486
114 Cd	0.874937	2.799	6320.400	ug/L	141.940
115 In			2329176.734	ug/L	1982073.555
208 207.977	0.988008	0.465	15628.278	ug/L	558.351
207 Pb	0.949093	1.343	6267.578	ug/L	223.336
206 Pb	0.964804	0.874	8659.950	ug/L	308.672
169 Tm			1501290.272	ug/L	1329102.281
106 Pd	0.883950	10.732	271.338	ug/L	55.334
83 Kr	34.529021	6.748	500.014	ug/L	474.346
182 W			16.333	ug/L	5.333

Report Date/Time: Wednesday, November 22, 2006 21:20:15

Page 1

G6K090141 Sample ID: LLSTD 10X

STL Sacramento (916) 373 - 5600

152 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	97.339
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	103.467
Cd	111	
Sb	121	
Ba	135	
In-1	115	117.512
Pb	208	
Tm-1	169	112.955
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	103.467
Cd	108	
Cd	114	
In	115	117.512
207.977	208	
Pb	207	
Pb	206	
Tm	169	112.955
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: LLSTD 5X

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:21:56

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\LLSTD 5X.059

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 10

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			812398.199	ug/L	854235.854
9 Be	1.812948	4.744	675.026	ug/L	3.667
27 Al	100.611820	1.404	926300.980	ug/L	134965.982
52 Cr	2.676717	4.488	60181.665	ug/L	27671.053
55 Mn	2.175350	1.095	47024.032	ug/L	4526.170
59 Co	1.982144	0.890	28132.154	ug/L	116.334
60 Ni	2.037340	3.017	6471.847	ug/L	218.354
65 Cu	2.123679	2.223	6901.444	ug/L	330.637
68 Zn	15.003107	0.794	21103.419	ug/L	2414.667
75 As	1.207284	21.362	22951.400	ug/L	18867.308
72 Ge-1			2160259.036	ug/L	2104942.104
111 Cd	1.689753	0.388	5449.932	ug/L	49.935
121 Sb	0.710328	0.711	8486.780	ug/L	1405.114
135 Ba	1.796368	1.802	5682.178	ug/L	299.672
115 In-1			2394342.972	ug/L	1982073.555
208 Pb	1.961623	2.414	59324.416	ug/L	1090.359
169 Tm-1			1476496.991	ug/L	1329102.281
50 Cr	3.022301	3.391	600.824	ug/L	-304.545
53 Cr	13.748703	17.462	38247.145	ug/L	30306.384
61 Ni	12.652289	33.872	3371.490	ug/L	2653.794
63 Cu	2.100406	0.829	5077.455	ug/L	267.345
67 Zn	16.206742	6.202	3171.610	ug/L	1492.357
66 Zn	16.428817	2.540	10171.534	ug/L	592.390
72 Ge			2160259.036	ug/L	2104942.104
108 Cd	1.313153	15.530	330.658	ug/L	29.486
114 Cd	1.690278	1.895	12391.947	ug/L	141.940
115 In			2394342.972	ug/L	1982073.555
208 207.977	1.991566	2.829	30341.182	ug/L	558.351
207 Pb	1.922123	2.217	12225.869	ug/L	223.336
206 Pb	1.937922	1.910	16757.364	ug/L	308.672
169 Tm			1476496.991	ug/L	1329102.281
106 Pd	1.848408	1.597	507.015	ug/L	55.334
83 Kr	26.008885	128.827	493.681	ug/L	474.346
182 W			11.333	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	95.102
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	102.628
Cd	111	
Sb	121	
Ba	135	
In-1	115	120.800
Pb	208	
Tm-1	169	111.090
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	102.628
Cd	108	
Cd	114	
In	115	120.800
207.977	208	
Pb	207	
Pb	206	
Tm	169	111.090
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:28:42

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\ICSA.060

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			542313.462	ug/L	854235.854
9 Be	0.044528	43.545	13.333	ug/L	3.667
27 Al	110281.253579	0.508	617952655.900	ug/L	134965.982
52 Cr	2.350900	2.077	40287.874	ug/L	27671.053
55 Mn	4.855645	0.693	71008.037	ug/L	4526.170
59 Co	2.631202	1.127	26694.007	ug/L	116.334
60 Ni	1.325638	6.275	3067.005	ug/L	218.354
65 Cu	0.293520	27.354	890.218	ug/L	330.637
68 Zn	1.709872	7.869	3290.619	ug/L	2414.667
75 As	1.104618	31.232	16198.118	ug/L	18867.308
72 Ge-1			1545707.211	ug/L	2104942.104
111 Cd	0.498335	25.681	1055.155	ug/L	49.935
121 Sb	0.174209	3.071	2155.932	ug/L	1405.114
135 Ba	0.926091	5.349	1989.560	ug/L	299.672
115 In-1			1534905.192	ug/L	1982073.555
208 Pb	0.710482	0.481	17426.031	ug/L	1090.359
169 Tm-1			1155549.257	ug/L	1329102.281
50 Cr	219.432460	6.375	47263.279	ug/L	-304.545
53 Cr	20.195695	2.476	29764.465	ug/L	30306.384
61 Ni	53.446999	5.572	3907.778	ug/L	2653.794
63 Cu	5.069230	1.215	8491.862	ug/L	267.345
67 Zn	29.241930	2.724	3213.319	ug/L	1492.357
66 Zn	7.606993	1.703	3602.742	ug/L	592.390
72 Ge			1545707.211	ug/L	2104942.104
108 Cd	63.217927	4.783	9125.801	ug/L	29.486
114 Cd	3.666331	4.155	17096.742	ug/L	141.940
115 In			1534905.192	ug/L	1982073.555
208 207.977	0.731371	1.348	9030.324	ug/L	558.351
207 Pb	0.722130	1.412	3717.123	ug/L	223.336
206 Pb	0.665105	1.610	4678.584	ug/L	308.672
169 Tm			1155549.257	ug/L	1329102.281
106 Pd	1.396869	3.160	396.676	ug/L	55.334
83 Kr	504.941643	10.928	849.708	ug/L	474.346
182 W			953.812	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	63.485
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	73.432
Cd	111	
Sb	121	
Ba	135	
In-1	115	77.439
Pb	208	
Tm-1	169	86.942
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	73.432
Cd	108	
Cd	114	
In	115	77.439
207.977	208	
Pb	207	
Pb	206	
Tm	169	86.942
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:32:24

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\ICSAB.061

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 83

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

wrong autosampler position entered
-SEV 11/22/06

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			599880.027	ug/L	854235.854
9 Be	0.013678	26.821	6.333	ug/L	3.667
27 Al	193.495207	2.416	1483260.637	ug/L	134965.982
52 Cr	4.724680	5.489	75771.666	ug/L	27671.053
55 Mn	8.508412	2.973	152824.734	ug/L	4526.170
59 Co	0.427124	2.768	5521.075	ug/L	116.334
60 Ni	3.326172	3.266	9349.243	ug/L	218.354
65 Cu	83.767147	2.376	232470.354	ug/L	330.637
68 Zn	102.303721	1.721	116155.340	ug/L	2414.667
75 As	1.910351	13.950	22462.244	ug/L	18867.308
72 Ge-1			1938636.544	ug/L	2104942.104
111 Cd	0.161362	9.152	481.460	ug/L	49.935
121 Sb	1.476798	1.344	13262.383	ug/L	1405.114
135 Ba	17.405042	3.211	43514.601	ug/L	299.672
115 In-1			2008337.562	ug/L	1982073.555
208 Pb	7.175832	1.733	198348.355	ug/L	1090.359
169 Tm-1			1369540.420	ug/L	1329102.281
50 Cr	5.444280	10.069	1193.988	ug/L	-304.545
53 Cr	-20.591414	15.795	18280.070	ug/L	30306.384
61 Ni	18.161054	24.087	3274.716	ug/L	2653.794
63 Cu	83.307595	2.030	171132.698	ug/L	267.345
67 Zn	92.194901	5.952	9736.481	ug/L	1492.357
66 Zn	106.837746	2.375	56334.383	ug/L	592.390
72 Ge			1938636.544	ug/L	2104942.104
108 Cd	0.608953	24.477	144.121	ug/L	29.486
114 Cd	0.118840	8.119	863.402	ug/L	141.940
115 In			2008337.562	ug/L	1982073.555
208 207.977	7.351485	1.627	102364.636	ug/L	558.351
207 Pb	7.344111	2.881	42683.206	ug/L	223.336
206 Pb	6.742506	1.118	53300.514	ug/L	308.672
169 Tm			1369540.420	ug/L	1329102.281
106 Pd	1.688800	5.248	468.013	ug/L	55.334
83 Kr	29.147870	57.646	496.014	ug/L	474.346
182 W			288.013	ug/L	5.333

Report Date/Time: Wednesday, November 22, 2006 21:33:57

Page 1

G6K090141 Sample ID: ICSAB

STL Sacramento (916) 373 - 5600

158 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
> Li-1	6	70.224
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
> Ge-1	72	92.099
Cd	111	
Sb	121	
Ba	135	
> In-1	115	101.325
Pb	208	
> Tm-1	169	103.043
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
> Ge	72	92.099
Cd	108	
Cd	114	
> In	115	101.325
207.977	208	
Pb	207	
Pb	206	
> Tm	169	103.043
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:37:59

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\ICSAB.062

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1				536881.669	ug/L	854235.854
9 Be	102.093076	3.633		24980.301	ug/L	3.667
27 Al	113176.055861	4.768	621988410.192		ug/L	134965.982
52 Cr	107.774543	3.609		918119.269	ug/L	27671.053
55 Mn	101.884660	3.334		1396380.434	ug/L	4526.170
59 Co	107.082805	3.302		1062285.815	ug/L	116.334
60 Ni	101.223725	3.486		218019.997	ug/L	218.354
65 Cu	97.028540	3.262		210667.535	ug/L	330.637
68 Zn	92.587641	3.985		82409.088	ug/L	2414.667
75 As	108.581100	3.072		240196.856	ug/L	18867.308
72 Ge-1				1516884.952	ug/L	2104942.104
111 Cd	97.692120	4.333		195028.419	ug/L	49.935
121 Sb	54.114490	4.427		324736.001	ug/L	1405.114
135 Ba	116.715597	3.676		216581.833	ug/L	299.672
115 In-1				1499442.267	ug/L	1982073.555
208 Pb	86.387671	3.933		1951983.385	ug/L	1090.359
169 Tm-1				1126005.021	ug/L	1329102.281
50 Cr	268.911293	6.178		56895.773	ug/L	-304.545
53 Cr	124.135351	5.223		67090.321	ug/L	30306.384
61 Ni	149.865022	4.300		7296.175	ug/L	2653.794
63 Cu	102.827779	3.281		165230.213	ug/L	267.345
67 Zn	123.723436	5.053		9861.546	ug/L	1492.357
66 Zn	102.944101	3.279		42487.982	ug/L	592.390
72 Ge				1516884.952	ug/L	2104942.104
108 Cd	165.654653	3.260		23322.497	ug/L	29.486
114 Cd	101.388256	4.319		458869.375	ug/L	141.940
115 In				1499442.267	ug/L	1982073.555
208 207.977	86.185012	3.830		981080.589	ug/L	558.351
207 Pb	86.244194	4.304		409863.279	ug/L	223.336
206 Pb	86.850340	3.890		561039.517	ug/L	308.672
169 Tm				1126005.021	ug/L	1329102.281
106 Pd	75.361371	1.798		18470.812	ug/L	55.334
83 Kr	547.992789	13.142		881.711	ug/L	474.346
182 W				956.813	ug/L	5.333

Report Date/Time: Wednesday, November 22, 2006 21:39:32

Page 1

G6K090141 Sample ID: ICSAB

STL Sacramento (916) 373 - 5600

160 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	62.849
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	72.063
Cd	111	
Sb	121	
Ba	135	
In-1	115	75.650
Pb	208	
Tm-1	169	84.719
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	72.063
Cd	108	
Cd	114	
In	115	75.650
207.977	208	
Pb	207	
Pb	206	
Tm	169	84.719
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:41:44

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\Rinse.063

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
6 Li-1			612010.749	ug/L	854235.854	
9 Be	0.004929	147.904	4.000	ug/L	3.667	
27 Al	-7.277764	4.734	75257.304	ug/L	134965.982	
52 Cr	0.657174	9.447	33433.128	ug/L	27671.053	
55 Mn	-0.141085	1.773	1751.842	ug/L	4526.170	
59 Co	0.002890	48.326	148.001	ug/L	116.334	
60 Ni	-0.037546	4.710	100.584	ug/L	218.354	
65 Cu	-0.038424	15.830	203.490	ug/L	330.637	
68 Zn	0.299262	21.134	2631.396	ug/L	2414.667	
75 As	0.935512	28.817	20441.629	ug/L	18867.308	
72 Ge-1			1994905.277	ug/L	2104942.104	
111 Cd	-0.002768	69.604	43.784	ug/L	49.935	
121 Sb	-0.143046	1.102	280.671	ug/L	1405.114	
135 Ba	0.024132	13.278	368.674	ug/L	299.672	
115 In-1			2036290.271	ug/L	1982073.555	
208 Pb	-0.007851	8.820	919.352	ug/L	1090.359	
169 Tm-1			1386984.807	ug/L	1329102.281	
50 Cr	0.538608	6.180	-138.420	ug/L	-304.545	
53 Cr	11.632269	16.455	34291.121	ug/L	30306.384	
61 Ni	19.425191	5.224	3433.219	ug/L	2653.794	
63 Cu	-0.041734	8.977	165.338	ug/L	267.345	
67 Zn	4.590208	19.528	1842.210	ug/L	1492.357	
66 Zn	0.928801	8.321	1061.181	ug/L	592.390	
72 Ge			1994905.277	ug/L	2104942.104	
108 Cd	0.140750	31.747	57.226	ug/L	29.486	
114 Cd	0.006967	35.979	188.610	ug/L	141.940	
115 In			2036290.271	ug/L	1982073.555	
208 207.977	-0.008384	15.870	465.012	ug/L	558.351	
207 Pb	-0.006340	39.591	196.002	ug/L	223.336	
206 Pb	-0.008022	36.434	258.337	ug/L	308.672	
169 Tm			1386984.807	ug/L	1329102.281	
106 Pd	-0.092759	9.184	32.667	ug/L	55.334	
83 Kr	284.307423	30.018	685.694	ug/L	474.346	
182 W			11.333	ug/L	5.333	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	71.644
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	94.772
Cd	111	
Sb	121	
Ba	135	
In-1	115	102.735
Pb	208	
Tm-1	169	104.355
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	94.772
Cd	108	
Cd	114	
In	115	102.735
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.355
Pd	106	
Kr	83	
W	182	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 9

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:45:31

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCV 9.064

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			659498.535	ug/L	854235.854
9 Be	105.825367	1.575	31819.767	ug/L	3.667
27 Al	5185.731299	0.353	38302667.814	ug/L	134965.982
52 Cr	97.015988	2.420	1109644.223	ug/L	27671.053
55 Mn	93.180261	1.370	1710854.624	ug/L	4526.170
59 Co	98.446166	2.091	1308022.476	ug/L	116.334
60 Ni	98.381190	0.478	283844.245	ug/L	218.354
65 Cu	100.380650	1.120	291915.428	ug/L	330.637
68 Zn	96.030166	1.017	114402.371	ug/L	2414.667
75 As	101.833025	0.530	302856.481	ug/L	18867.308
72 Ge-1			2030917.959	ug/L	2104942.104
111 Cd	97.075697	0.786	259693.255	ug/L	49.935
121 Sb	49.611123	0.677	399069.554	ug/L	1405.114
135 Ba	102.524621	0.221	254953.028	ug/L	299.672
115 In-1			2007802.827	ug/L	1982073.555
208 Pb	91.106563	0.284	2501687.551	ug/L	1090.359
169 Tm-1			1367458.022	ug/L	1329102.281
50 Cr	92.971581	1.981	26123.547	ug/L	-304.545
53 Cr	99.578789	4.131	77874.724	ug/L	30306.384
61 Ni	109.972824	2.306	7853.189	ug/L	2653.794
63 Cu	100.780934	1.920	216905.419	ug/L	267.345
67 Zn	102.989697	1.223	11237.503	ug/L	1492.357
66 Zn	98.781508	1.280	54629.422	ug/L	592.390
72 Ge			2030917.959	ug/L	2104942.104
108 Cd	97.808930	0.600	18462.292	ug/L	29.486
114 Cd	97.090226	0.944	588838.457	ug/L	141.940
115 In			2007802.827	ug/L	1982073.555
208 207.977	90.290750	0.360	1249003.662	ug/L	558.351
207 Pb	91.649842	0.616	529333.585	ug/L	223.336
206 Pb	92.144404	0.122	723350.303	ug/L	308.672
169 Tm			1367458.022	ug/L	1329102.281
106 Pd	100.361121	0.382	24579.809	ug/L	55.334
83 Kr	632.301549	8.145	944.384	ug/L	474.346
182 W			95.335	ug/L	5.333

Report Date/Time: Wednesday, November 22, 2006 21:47:06

Page 1

G6K090141 Sample ID: CCV 9

STL Sacramento (916) 373 - 5600

164 of 276

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Li-1	6	77.203
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Ge-1	72	96.483
Cd	111	
Sb	121	
Ba	135	
In-1	115	101.298
Pb	208	
Tm-1	169	102.886
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Ge	72	96.483
Cd	108	
Cd	114	
In	115	101.298
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.886
Pd	106	
Kr	83	
W	182	

BJones

Sample ID: CCB 9

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, November 22, 2006 21:49:17

Method File: C:\elandata\Method\6321133.mth

Dataset File: c:\elandata\dataset\061122b1\CCB 9.065

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li-1			672573.321	ug/L	854235.854
9 Be	0.016726	40.202	8.000	ug/L	3.667
27 Al	4.644487	12.447	170463.393	ug/L	134965.982
52 Cr	0.959850	7.675	38800.216	ug/L	27671.053
55 Mn	-0.005028	126.504	4432.456	ug/L	4526.170
59 Co	0.013816	6.745	306.672	ug/L	116.334
60 Ni	0.012012	52.953	254.497	ug/L	218.354
65 Cu	-0.013799	9.375	289.282	ug/L	330.637
68 Zn	-0.444860	17.606	1876.868	ug/L	2414.667
75 As	0.860991	26.302	21369.083	ug/L	18867.308
72 Ge-1			2106118.876	ug/L	2104942.104
111 Cd	0.008216	36.836	76.052	ug/L	49.935
121 Sb	0.004266	297.528	1527.800	ug/L	1405.114
135 Ba	0.019499	37.596	369.008	ug/L	299.672
115 In-1			2104809.451	ug/L	1982073.555
208 Pb	0.009280	7.557	1395.376	ug/L	1090.359
169 Tm-1			1386334.144	ug/L	1329102.281
50 Cr	0.702895	8.715	-97.604	ug/L	-304.545
53 Cr	5.922392	18.507	33319.027	ug/L	30306.384
61 Ni	11.947847	35.239	3250.360	ug/L	2653.794
63 Cu	-0.023673	9.563	214.674	ug/L	267.345
67 Zn	2.817757	43.046	1770.169	ug/L	1492.357
66 Zn	0.130445	46.708	666.738	ug/L	592.390
72 Ge			2106118.876	ug/L	2104942.104
108 Cd	0.052198	88.298	41.609	ug/L	29.486
114 Cd	0.009032	23.408	208.147	ug/L	141.940
115 In			2104809.451	ug/L	1982073.555
208 207.977	0.009749	5.295	719.030	ug/L	558.351
207 Pb	0.010036	4.575	291.672	ug/L	223.336
206 Pb	0.007897	28.994	384.675	ug/L	308.672
169 Tm			1386334.144	ug/L	1329102.281
106 Pd	0.015005	223.237	59.000	ug/L	55.334
83 Kr	546.647319	5.488	880.711	ug/L	474.346
182 W			8.667	ug/L	5.333

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
[> Li-1	6	78.734
Be	9	
Al	27	
Cr	52	
Mn	55	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
[> Ge-1	72	100.056
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	106.192
Pb	208	
[> Tm-1	169	104.306
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
[> Ge	72	100.056
Cd	108	
Cd	114	
[> In	115	106.192
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	104.306
Pd	106	
Kr	83	
W	182	

SEVERN
TRENT

STL

STL Sacramento
ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): <u>M01</u> M02		Method 6020 SOP SAC-MT-0001																										
File Number <u>061127A1</u>	Batch Numbers <u>6321133, 63261201</u> <u>6321081, 6317263</u>	Date <u>11/27/06</u>	Analyst <u>BRJ</u>																									
Lot Numbers <u>G6K020146, G6K020151, G6K090141, G6K140165,</u> <u>G6J250276, G6K060161, G6J260249, G6J300165</u>		YES	NO	NA																								
<table border="1"><tr><td>1. Copy of analysis protocol used included?</td><td>✓</td></tr><tr><td>2. ICVs & CCVs within 10% of true value or recal and rerun?</td><td>✓</td></tr><tr><td>3. ICB & CCBs < reporting limit or recal and rerun?</td><td>✓</td></tr><tr><td>4. 10 samples or less analyzed between calibration checks?</td><td>✓</td></tr><tr><td>5. All parameters within linear range?</td><td>✓</td></tr><tr><td>6. LCS/LCSD within limits?</td><td>✓</td></tr><tr><td>7. Prep blank value < reporting limit or all samples >20x blank?</td><td>✓</td></tr><tr><td>8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?</td><td>✓</td></tr><tr><td>9. Appropriate dilution factors applied to data?</td><td>✓</td></tr><tr><td>10. Matrix spike and spike dup within customer defined limits?</td><td>✓</td></tr><tr><td>11. Each batch checked for presence of internal standard in samples?</td><td>✓</td></tr><tr><td>12. Anomalies entered using Clouseau?</td><td>✓</td></tr></table>					1. Copy of analysis protocol used included?	✓	2. ICVs & CCVs within 10% of true value or recal and rerun?	✓	3. ICB & CCBs < reporting limit or recal and rerun?	✓	4. 10 samples or less analyzed between calibration checks?	✓	5. All parameters within linear range?	✓	6. LCS/LCSD within limits?	✓	7. Prep blank value < reporting limit or all samples >20x blank?	✓	8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	✓	9. Appropriate dilution factors applied to data?	✓	10. Matrix spike and spike dup within customer defined limits?	✓	11. Each batch checked for presence of internal standard in samples?	✓	12. Anomalies entered using Clouseau?	✓
1. Copy of analysis protocol used included?	✓																											
2. ICVs & CCVs within 10% of true value or recal and rerun?	✓																											
3. ICB & CCBs < reporting limit or recal and rerun?	✓																											
4. 10 samples or less analyzed between calibration checks?	✓																											
5. All parameters within linear range?	✓																											
6. LCS/LCSD within limits?	✓																											
7. Prep blank value < reporting limit or all samples >20x blank?	✓																											
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?	✓																											
9. Appropriate dilution factors applied to data?	✓																											
10. Matrix spike and spike dup within customer defined limits?	✓																											
11. Each batch checked for presence of internal standard in samples?	✓																											
12. Anomalies entered using Clouseau?	✓																											

COMMENTS:

REVIEWED BY:

DATE:

MTL

11/28/06

DATA ENTERED BY:

DATE:

BRJ

11/28/06

Dataset Report

Perkin Elmer ICPMS M01
 SOP No. SAC-MT-0001
 Method 6020

User Name: JonesB
 Computer Name: SACP317A

Dataset File Path: C:\elandata\Dataset\061127A1\

Report Date/Time: Monday, November 27, 2006 17:12:25

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
	TUNE BJONES	11:57:51 Mon 27-Nov-06	Sample	
	AUTOLENS BJONES	12:03:20 Mon 27-Nov-06	Sample	Auto Lens Calib
	DAILY BJONES	12:05:26 Mon 27-Nov-06	Sample	
	Rinse	12:31:50 Mon 27-Nov-06	Sample	
	Blank	12:34:59 Mon 27-Nov-06	Blank	
	Standard 1	12:38:01 Mon 27-Nov-06	Standard #1	
	ICV	12:40:48 Mon 27-Nov-06	Sample	
	ICB	12:43:40 Mon 27-Nov-06	Sample	
	LLSTD 10X	12:46:36 Mon 27-Nov-06	Sample	
	LLSTD 5X	12:48:54 Mon 27-Nov-06	Sample	
	ICSA	12:51:35 Mon 27-Nov-06	Sample	
	ICSAB	12:54:24 Mon 27-Nov-06	Sample	
	Rinse	12:57:16 Mon 27-Nov-06	Sample	
	CCV 1	13:00:09 Mon 27-Nov-06	Sample	
	CCB 1	13:03:42 Mon 27-Nov-06	Sample	
	CCV 2	13:06:34 Mon 27-Nov-06	Sample	
	CCB 2	13:09:26 Mon 27-Nov-06	Sample	
6321133	JJXAJC	13:12:16 Mon 27-Nov-06	Sample	G6K170000-133 LCS
6321133	JJXAjl	13:15:04 Mon 27-Nov-06	Sample	G6K170000-133 LCSD
6326120	JJ71FC	13:17:52 Mon 27-Nov-06	Sample	G6K220000-120 LCS
6326120	JJ71FL	13:20:40 Mon 27-Nov-06	Sample	G6K220000-120 LCSD
	Rinse	13:23:31 Mon 27-Nov-06	Sample	
6321133	JJXAJB	13:26:24 Mon 27-Nov-06	Sample	G6K170000-133 BLK
6321133	MB CONTROL	13:29:23 Mon 27-Nov-06	Sample	
6326120	JJ71FB	13:31:42 Mon 27-Nov-06	Sample	G6K220000-120 BLK
6326120	MB CONTROL	13:34:41 Mon 27-Nov-06	Sample	
	CCV 3	13:36:59 Mon 27-Nov-06	Sample	
	CCB 3	13:39:51 Mon 27-Nov-06	Sample	
	CCV 4	13:42:44 Mon 27-Nov-06	Sample	
	CCB 4	13:45:36 Mon 27-Nov-06	Sample	
6321133	JHQ8V	13:48:27 Mon 27-Nov-06	Sample	G6K020146-1
6321133	JHQ8VP5	13:51:15 Mon 27-Nov-06	Sample	G6K020146-1 5X
6321133	JHQ8VZ	13:54:04 Mon 27-Nov-06	Sample	G6K020146-1 PS
6321133	JHQ88	13:56:53 Mon 27-Nov-06	Sample	G6K020146-2
6321133	JHQ9A	13:59:42 Mon 27-Nov-06	Sample	G6K020146-3
6321133	JHQ9F	14:02:32 Mon 27-Nov-06	Sample	G6K020146-4
6321133	JHQ9H	14:05:22 Mon 27-Nov-06	Sample	G6K020146-5
6321133	JHRAM	14:08:13 Mon 27-Nov-06	Sample	G6K020151-1
6321133	JHRAX	14:11:04 Mon 27-Nov-06	Sample	G6K020151-2
6321133	JHRA2	14:13:55 Mon 27-Nov-06	Sample	G6K020151-3
	CCV 5	14:16:47 Mon 27-Nov-06	Sample	
	CCB 5	14:19:40 Mon 27-Nov-06	Sample	
	CCV 6	14:22:32 Mon 27-Nov-06	Sample	
	CCB 6	14:25:24 Mon 27-Nov-06	Sample	
6321133	JHRA4	14:28:17 Mon 27-Nov-06	Sample	G6K020151-4
6326120	JJACE	14:31:07 Mon 27-Nov-06	Sample	G6K090141-1
6326120	JJACEP5	14:33:55 Mon 27-Nov-06	Sample	G6K090141-1 5X
6326120	JJACEZ	14:36:43 Mon 27-Nov-06	Sample	G6K090141-1 PS
6326120	JJACG	14:39:32 Mon 27-Nov-06	Sample	G6K090141-2

6326120	JJACH	14:42:21 Mon 27-Nov-06	Sample	G6K090141-3
6326120	JJACJ	14:45:11 Mon 27-Nov-06	Sample	G6K090141-4
6326120	JJACK	14:48:01 Mon 27-Nov-06	Sample	G6K090141-5
6326120	JJMHA	14:50:52 Mon 27-Nov-06	Sample	G6K140165-1
6326120	JJMHE	14:53:43 Mon 27-Nov-06	Sample	G6K140165-2
	CCV 7 RECAR	14:56:34 Mon 27-Nov-06	Sample	
	CCB 7	14:59:27 Mon 27-Nov-06	Sample	
	CCV 8	15:02:19 Mon 27-Nov-06	Sample	
	CCB 8	15:05:12 Mon 27-Nov-06	Sample	
6326120	JJMHF	15:08:04 Mon 27-Nov-06	Sample	G6K140165-3
	LLSTD 10X	15:10:58 Mon 27-Nov-06	Sample	
	LLSTD 5X	15:13:17 Mon 27-Nov-06	Sample	
	ICSA	15:15:31 Mon 27-Nov-06	Sample	
	ICSAB	15:18:20 Mon 27-Nov-06	Sample	
	Rinse	15:21:12 Mon 27-Nov-06	Sample	
	CCV 9	15:24:05 Mon 27-Nov-06	Sample	
	CCB 9	15:26:57 Mon 27-Nov-06	Sample	
	CCV 10	15:29:49 Mon 27-Nov-06	Sample	
	CCB 10	15:32:42 Mon 27-Nov-06	Sample	
6321081	JG77M	15:35:32 Mon 27-Nov-06	Sample	G6J250276-3
6321081	JG77Q	15:38:19 Mon 27-Nov-06	Sample	G6J250276-4
6321081	JG77T	15:41:07 Mon 27-Nov-06	Sample	G6J250276-5
6321081	JG77V	15:43:55 Mon 27-Nov-06	Sample	G6J250276-6
6321081	JG77X	15:46:44 Mon 27-Nov-06	Sample	G6J250276-7
6321081	JG772	15:49:33 Mon 27-Nov-06	Sample	G6J250276-8
6321081	JH244	15:52:23 Mon 27-Nov-06	Sample	G6K060161-1
6321081	JH249	15:55:13 Mon 27-Nov-06	Sample	G6K060161-2
6321081	JH25C	15:58:03 Mon 27-Nov-06	Sample	G6K060161-3
6321081	JH25D	16:00:54 Mon 27-Nov-06	Sample	G6K060161-4
	CCV 11	16:03:45 Mon 27-Nov-06	Sample	
	CCB 11	16:06:38 Mon 27-Nov-06	Sample	
	CCV 12	16:09:30 Mon 27-Nov-06	Sample	
	CCB 12	16:12:22 Mon 27-Nov-06	Sample	
6317263	JJKH2B	16:15:16 Mon 27-Nov-06	Sample	G6K130000-263 BLK
6317263	JHA94	16:18:09 Mon 27-Nov-06	Sample	G6J260249-1
6317263	JHA94P5	16:21:00 Mon 27-Nov-06	Sample	G6J260249-1 5X
6317263	JHA94Z	16:23:52 Mon 27-Nov-06	Sample	G6J260249-1 PS
6317263	JHA95	16:26:45 Mon 27-Nov-06	Sample	G6J260249-2
6317263	JHA96	16:29:37 Mon 27-Nov-06	Sample	G6J260249-3
6317263	JHA97	16:32:30 Mon 27-Nov-06	Sample	G6J260249-4
6317263	JHA99	16:35:24 Mon 27-Nov-06	Sample	G6J260249-5
6317263	JHCAA	16:38:18 Mon 27-Nov-06	Sample	G6J260249-6
6317263	JHCAC	16:41:12 Mon 27-Nov-06	Sample	G6J260249-7
	CCV 13	16:44:05 Mon 27-Nov-06	Sample	
	CCB 13	16:46:57 Mon 27-Nov-06	Sample	

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/28/06 15:14:25

File ID: 061127A1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Rinse			1.0	11/27/06 12:31		<input type="checkbox"/>
2	Blank			1.0	11/27/06 12:34		<input type="checkbox"/>
3	Standard1			1.0	11/27/06 12:38		<input type="checkbox"/>
4	ICV			1.0	11/27/06 12:40		<input type="checkbox"/>
5	ICB			1.0	11/27/06 12:43		<input type="checkbox"/>
6	LLSTD 10X			10.0	11/27/06 12:46		<input type="checkbox"/>
7	LLSTD 5X			5.0	11/27/06 12:48		<input type="checkbox"/>
8	ICSA			1.0	11/27/06 12:51		<input type="checkbox"/>
9	ICSAB			1.0	11/27/06 12:54		<input type="checkbox"/>
10	Rinse			1.0	11/27/06 12:57		<input type="checkbox"/>
11	CCV 1			1.0	11/27/06 13:00		<input type="checkbox"/>
12	CCB 1			1.0	11/27/06 13:03		<input type="checkbox"/>
13	CCV 2			1.0	11/27/06 13:06		<input type="checkbox"/>
14	CCB 2			1.0	11/27/06 13:09		<input type="checkbox"/>
15	JJXAJC	G6K170000	6321133	2A	1.0	11/27/06 13:12	<input type="checkbox"/>
16	JJXAJL	G6K170000	6321133	2A	1.0	11/27/06 13:15	<input type="checkbox"/>
17	JJ71FC	G6K220000	6326120	2A	1.0	11/27/06 13:17	<input type="checkbox"/>
18	JJ71FL	G6K220000	6326120	2A	1.0	11/27/06 13:20	<input type="checkbox"/>
19	Rinse			1.0	11/27/06 13:23		<input type="checkbox"/>
20	JJXAJB	G6K170000	6321133	2A	1.0	11/27/06 13:26	<input type="checkbox"/>
21	MB CONTROL				1.0	11/27/06 13:29	<input type="checkbox"/>
22	JJ71FB	G6K220000	6326120	2A	1.0	11/27/06 13:31	<input type="checkbox"/>
23	MB CONTROL				1.0	11/27/06 13:34	<input type="checkbox"/>
24	CCV 3				1.0	11/27/06 13:36	<input type="checkbox"/>
25	CCB 3				1.0	11/27/06 13:39	<input type="checkbox"/>
26	CCV 4				1.0	11/27/06 13:42	<input type="checkbox"/>
27	CCB 4				1.0	11/27/06 13:45	<input type="checkbox"/>
28	JHQ8V	G6K020146-1	6321133	2A	1.0	11/27/06 13:48	<input type="checkbox"/>
29	JHQ8VP5	G6K020146	6321133		5.0	11/27/06 13:51	<input type="checkbox"/>
30	JHQ8VZ	G6K020146-1	6321133		1.0	11/27/06 13:54	<input type="checkbox"/>
31	JHQ88	G6K020146-2	6321133	2A	1.0	11/27/06 13:56	<input type="checkbox"/>
32	JHQ9A	G6K020146-3	6321133	2A	1.0	11/27/06 13:59	<input type="checkbox"/>
33	JHQ9F	G6K020146-4	6321133	2A	1.0	11/27/06 14:02	<input type="checkbox"/>
34	JHQ9H	G6K020146-5	6321133	2A	1.0	11/27/06 14:05	<input type="checkbox"/>
35	JHRAM	G6K020151-1	6321133	2A	1.0	11/27/06 14:08	<input type="checkbox"/>
36	JHRAX	G6K020151-2	6321133	2A	1.0	11/27/06 14:11	<input type="checkbox"/>
37	JHRA2	G6K020151-3	6321133	2A	1.0	11/27/06 14:13	<input type="checkbox"/>
38	CCV 5				1.0	11/27/06 14:16	<input type="checkbox"/>
39	CCB 5				1.0	11/27/06 14:19	<input type="checkbox"/>
40	CCV 6				1.0	11/27/06 14:22	<input type="checkbox"/>
41	CCB 6				1.0	11/27/06 14:25	<input type="checkbox"/>
42	JHRA4	G6K020151-4	6321133	2A	1.0	11/27/06 14:28	<input type="checkbox"/>
43	JJACE	G6K090141-1	6326120	2A	1.0	11/27/06 14:31	<input type="checkbox"/>
44	JJACEP5	G6K090141	6326120		5.0	11/27/06 14:33	<input type="checkbox"/>
45	JJACEZ	G6K090141-1	6326120		1.0	11/27/06 14:36	<input type="checkbox"/>
46	JJACG	G6K090141-2	6326120	2A	1.0	11/27/06 14:39	<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 11/28/06 15:14:25

File ID: 061127A1

Analyst: ionesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
47	JJACH	G6K090141-3	6326120	2A	1.0 11/27/06 14:42		<input type="checkbox"/>
48	JJACJ	G6K090141-4	6326120	2A	1.0 11/27/06 14:45		<input type="checkbox"/>
49	JJACK	G6K090141-5	6326120	2A	1.0 11/27/06 14:48		<input type="checkbox"/>
50	JJMHA	G6K140165-1	6326120	2A	1.0 11/27/06 14:50		<input type="checkbox"/>
51	JJMHE	G6K140165-2	6326120	2A	1.0 11/27/06 14:53		<input type="checkbox"/>
52	CCV 7				1.0 11/27/06 14:56		<input type="checkbox"/>
53	CCB 7				1.0 11/27/06 14:59		<input type="checkbox"/>
56	CCV 8				1.0 11/27/06 15:02		<input type="checkbox"/>
57	CCB 8				1.0 11/27/06 15:05		<input type="checkbox"/>
58	JJMHF	G6K140165-3	6326120	2A	1.0 11/27/06 15:08		<input type="checkbox"/>
59	LLSTD 10X				10.0 11/27/06 15:10		<input type="checkbox"/>
60	LLSTD 5X				5.0 11/27/06 15:13		<input type="checkbox"/>
61	ICSA				1.0 11/27/06 15:15		<input type="checkbox"/>
62	ICSAB				1.0 11/27/06 15:18		<input type="checkbox"/>
63	Rinse				1.0 11/27/06 15:21		<input type="checkbox"/>
64	CCV 9				1.0 11/27/06 15:24		<input type="checkbox"/>
65	CCB 9				1.0 11/27/06 15:26		<input type="checkbox"/>
66	CCV 10				1.0 11/27/06 15:29		<input type="checkbox"/>
67	CCB 10				1.0 11/27/06 15:32		<input type="checkbox"/>
68	JG77M	G6J250276-3	6321081	2A	1.0 11/27/06 15:35		<input type="checkbox"/>
69	JG77Q	G6J250276-4	6321081	2A	1.0 11/27/06 15:38		<input type="checkbox"/>
70	JG77T	G6J250276-5	6321081	2A	1.0 11/27/06 15:41		<input type="checkbox"/>
71	JG77V	G6J250276-6	6321081	2A	1.0 11/27/06 15:43		<input type="checkbox"/>
72	JG77X	G6J250276-7	6321081	2A	1.0 11/27/06 15:46		<input type="checkbox"/>
73	JG772	G6J250276-8	6321081	2A	1.0 11/27/06 15:49		<input type="checkbox"/>
74	JH244	G6K060161-1	6321081	2A	1.0 11/27/06 15:52		<input type="checkbox"/>
75	JH249	G6K060161-2	6321081	2A	1.0 11/27/06 15:55		<input type="checkbox"/>
76	JH25C	G6K060161-3	6321081	2A	1.0 11/27/06 15:58		<input type="checkbox"/>
77	JH25D	G6K060161-4	6321081	2A	1.0 11/27/06 16:00		<input type="checkbox"/>
78	CCV 11				1.0 11/27/06 16:03		<input type="checkbox"/>
79	CCB 11				1.0 11/27/06 16:06		<input type="checkbox"/>
80	CCV 12				1.0 11/27/06 16:09		<input type="checkbox"/>
81	CCB 12				1.0 11/27/06 16:12		<input type="checkbox"/>
82	JJKH2B	G6K130000	6317263	2A	1.0 11/27/06 16:15		<input type="checkbox"/>
83	JHA94	G6J260249-1	6317263	2A	1.0 11/27/06 16:18		<input type="checkbox"/>
84	JHA94P5	G6J260249	6317263		5.0 11/27/06 16:21		<input type="checkbox"/>
85	JHA94Z	G6J260249-1	6317263		1.0 11/27/06 16:23		<input type="checkbox"/>
86	JHA95	G6J260249-2	6317263	2A	1.0 11/27/06 16:26		<input type="checkbox"/>
87	JHA96	G6J260249-3	6317263	2A	1.0 11/27/06 16:29		<input type="checkbox"/>
88	JHA97	G6J260249-4	6317263	2A	1.0 11/27/06 16:32		<input type="checkbox"/>
89	JHA99	G6J260249-5	6317263	2A	1.0 11/27/06 16:35		<input type="checkbox"/>
90	JHCAA	G6J260249-6	6317263	2A	1.0 11/27/06 16:38		<input type="checkbox"/>
91	JHCAC	G6J260249-7	6317263	2A	1.0 11/27/06 16:41		<input type="checkbox"/>
92	CCV 13				1.0 11/27/06 16:44		<input type="checkbox"/>
93	CCB 13				1.0 11/27/06 16:46		<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 15:14:25

File ID: 061127A1

Analyst: jonesb

Germanium

#	Sample ID	Analyzed Date	Q
1	Rinse	11/27/06 12:31	95.1 <input type="checkbox"/>
2	Blank	11/27/06 12:34	100.0 <input checked="" type="checkbox"/>
3	Standard1	11/27/06 12:38	97.7 <input checked="" type="checkbox"/>
4	ICV	11/27/06 12:40	97.7 <input checked="" type="checkbox"/>
5	ICB	11/27/06 12:43	98.6 <input checked="" type="checkbox"/>
6	LLSTD 10X	11/27/06 12:46	104.6 <input checked="" type="checkbox"/>
7	LLSTD 5X	11/27/06 12:48	103.7 <input checked="" type="checkbox"/>
8	ICSA	11/27/06 12:51	78.0 <input checked="" type="checkbox"/>
9	ICSAB	11/27/06 12:54	78.8 <input checked="" type="checkbox"/>
10	Rinse	11/27/06 12:57	99.5 <input checked="" type="checkbox"/>
11	CCV 1	11/27/06 13:00	100.2 <input checked="" type="checkbox"/>
12	CCB 1	11/27/06 13:03	100.3 <input checked="" type="checkbox"/>
13	CCV 2	11/27/06 13:06	99.8 <input checked="" type="checkbox"/>
14	CCB 2	11/27/06 13:09	103.3 <input checked="" type="checkbox"/>
15	JJXAJC	11/27/06 13:12	98.6 <input checked="" type="checkbox"/>
16	JJXAJL	11/27/06 13:15	97.1 <input checked="" type="checkbox"/>
17	JJ71FC	11/27/06 13:17	97.4 <input checked="" type="checkbox"/>
18	JJ71FL	11/27/06 13:20	98.7 <input checked="" type="checkbox"/>
19	Rinse	11/27/06 13:23	95.8 <input checked="" type="checkbox"/>
20	JJXAJB	11/27/06 13:26	97.9 <input checked="" type="checkbox"/>
21	MB CONTROL	11/27/06 13:29	103.8 <input checked="" type="checkbox"/>
22	JJ71FB	11/27/06 13:31	100.0 <input checked="" type="checkbox"/>
23	MB CONTROL	11/27/06 13:34	105.0 <input checked="" type="checkbox"/>
24	CCV 3	11/27/06 13:36	100.2 <input checked="" type="checkbox"/>
25	CCB 3	11/27/06 13:39	102.4 <input checked="" type="checkbox"/>
26	CCV 4	11/27/06 13:42	100.0 <input checked="" type="checkbox"/>
27	CCB 4	11/27/06 13:45	101.6 <input checked="" type="checkbox"/>
28	JHQ8V	11/27/06 13:48	100.9 <input checked="" type="checkbox"/>
29	JHQ8VP5	11/27/06 13:51	101.4 <input type="checkbox"/>
30	JHQ8VZ	11/27/06 13:54	98.7 <input checked="" type="checkbox"/>
31	JHQ88	11/27/06 13:56	98.5 <input checked="" type="checkbox"/>
32	JHQ9A	11/27/06 13:59	99.3 <input checked="" type="checkbox"/>
33	JHQ9F	11/27/06 14:02	97.4 <input checked="" type="checkbox"/>
34	JHQ9H	11/27/06 14:05	97.0 <input checked="" type="checkbox"/>
35	JHRAM	11/27/06 14:08	98.4 <input checked="" type="checkbox"/>
36	JHRAX	11/27/06 14:11	99.5 <input checked="" type="checkbox"/>
37	JHRA2	11/27/06 14:13	98.6 <input checked="" type="checkbox"/>
38	CCV 5	11/27/06 14:16	99.3 <input checked="" type="checkbox"/>
39	CCB 5	11/27/06 14:19	101.0 <input checked="" type="checkbox"/>
40	CCV 6	11/27/06 14:22	99.9 <input checked="" type="checkbox"/>
41	CCB 6	11/27/06 14:25	101.5 <input checked="" type="checkbox"/>
42	JHRA4	11/27/06 14:28	100.5 <input checked="" type="checkbox"/>
43	JJACE	11/27/06 14:31	100.7 <input checked="" type="checkbox"/>
44	JJACEP5	11/27/06 14:33	102.3 <input type="checkbox"/>
45	JJACEZ	11/27/06 14:36	99.2 <input checked="" type="checkbox"/>
46	JJACG	11/27/06 14:39	98.8 <input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 11/28/06 15:14:25

File ID: 061127A1

Analyst: ionesb

Germanium

#	Sample ID	Analyzed Date		Q
47	JJACH	11/27/06 14:42		98.7 <input checked="" type="checkbox"/>
48	JJACJ	11/27/06 14:45		99.5 <input checked="" type="checkbox"/>
49	JJACK	11/27/06 14:48		98.1 <input checked="" type="checkbox"/>
50	JJMHA	11/27/06 14:50		96.6 <input checked="" type="checkbox"/>
51	JJMHE	11/27/06 14:53		93.6 <input checked="" type="checkbox"/>
52	CCV 7	11/27/06 14:56		97.8 <input checked="" type="checkbox"/>
53	CCB 7	11/27/06 14:59		99.4 <input checked="" type="checkbox"/>
56	CCV 8	11/27/06 15:02		98.8 <input checked="" type="checkbox"/>
57	CCB 8	11/27/06 15:05		100.6 <input checked="" type="checkbox"/>
58	JJMHF	11/27/06 15:08		100.3 <input checked="" type="checkbox"/>
59	LLSTD 10X	11/27/06 15:10		105.7 <input checked="" type="checkbox"/>
60	LLSTD 5X	11/27/06 15:13		106.4 <input checked="" type="checkbox"/>
61	ICSA	11/27/06 15:15		78.6 <input checked="" type="checkbox"/>
62	ICSAB	11/27/06 15:18		78.5 <input checked="" type="checkbox"/>
63	Rinse	11/27/06 15:21		99.4 <input checked="" type="checkbox"/>
64	CCV 9	11/27/06 15:24		99.6 <input checked="" type="checkbox"/>
65	CCB 9	11/27/06 15:26		100.7 <input checked="" type="checkbox"/>
66	CCV 10	11/27/06 15:29		99.5 <input checked="" type="checkbox"/>
67	CCB 10	11/27/06 15:32		98.5 <input checked="" type="checkbox"/>
68	JG77M	11/27/06 15:35		100.5 <input checked="" type="checkbox"/>
69	JG77Q	11/27/06 15:38		101.4 <input checked="" type="checkbox"/>
70	JG77T	11/27/06 15:41		100.5 <input checked="" type="checkbox"/>
71	JG77V	11/27/06 15:43		102.3 <input checked="" type="checkbox"/>
72	JG77X	11/27/06 15:46		101.9 <input checked="" type="checkbox"/>
73	JG772	11/27/06 15:49		101.3 <input checked="" type="checkbox"/>
74	JH244	11/27/06 15:52		101.0 <input checked="" type="checkbox"/>
75	JH249	11/27/06 15:55		101.6 <input checked="" type="checkbox"/>
76	JH25C	11/27/06 15:58		102.7 <input checked="" type="checkbox"/>
77	JH25D	11/27/06 16:00		102.6 <input checked="" type="checkbox"/>
78	CCV 11	11/27/06 16:03		102.9 <input checked="" type="checkbox"/>
79	CCB 11	11/27/06 16:06		102.3 <input checked="" type="checkbox"/>
80	CCV 12	11/27/06 16:09		100.5 <input checked="" type="checkbox"/>
81	CCB 12	11/27/06 16:12		103.7 <input checked="" type="checkbox"/>
82	JJKH2B	11/27/06 16:15		101.5 <input checked="" type="checkbox"/>
83	JHA94	11/27/06 16:18		101.6 <input checked="" type="checkbox"/>
84	JHA94P5	11/27/06 16:21		104.6 <input type="checkbox"/>
85	JHA94Z	11/27/06 16:23		97.6 <input checked="" type="checkbox"/>
86	JHA95	11/27/06 16:26		98.3 <input checked="" type="checkbox"/>
87	JHA96	11/27/06 16:29		99.2 <input checked="" type="checkbox"/>
88	JHA97	11/27/06 16:32		99.7 <input checked="" type="checkbox"/>
89	JHA99	11/27/06 16:35		100.6 <input checked="" type="checkbox"/>
90	JHCAA	11/27/06 16:38		101.5 <input checked="" type="checkbox"/>
91	JHCAC	11/27/06 16:41		100.1 <input checked="" type="checkbox"/>
92	CCV 13	11/27/06 16:44		99.2 <input checked="" type="checkbox"/>
93	CCB 13	11/27/06 16:46		102.7 <input checked="" type="checkbox"/>

STL SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report

File Name: 6326122R.mth
File Path: C:\elandata\Method\6326122R.mth

Timing Parameters

Sweeps/Reading: 50
Readings/Replicate: 1
Number of Replicates: 3
Tuning File: default.tun
Optimization File: default.dac
QC Enabled: Yes
Settling Time: Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Ca	43.956	Peak Hopping	1	14.0 ms	700 ms
Zn	67.925	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	Peak Hopping	1	5.0 ms	250 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Pd	105.903	Peak Hopping	1	14.0 ms	700 ms
Kr	82.914	Peak Hopping	1	14.0 ms	700 ms

Signal Processing

Detector Mode: Dual
Measurement Units: Counts
AutoLens: On
Spectral Peak Processing: Average
Signal Profile Processing: Average
Blank Subtraction: After Internal Standard
Baseline Readings: 0
Smoothing: Yes, Factor 5

Equations

Analyte	Mass	Corrections
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78

Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Sc	44.956	Linear Thru Zero	ug/L	ug/L				
Ca	43.956	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Zn	67.925	Linear Thru Zero	ug/L	ug/L	100			
As	74.922	Linear Thru Zero	ug/L	ug/L	100			
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L				
Zn	66.927	Linear Thru Zero	ug/L	ug/L	100			
Zn	65.926	Linear Thru Zero	ug/L	ug/L	100			
Ge	71.922	Linear Thru Zero	ug/L	ug/L				
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100			
Kr	82.914	Linear Thru Zero	ug/L	ug/L	100			

Report Date/Time: Monday, November 27, 2006 17:12:38

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M01 – Methods 6020, 200.8

AIR TOX STANDARDS - 4 % HNO₃, 0.5 % HCl

Standards for run:

Tuning standard: 2830-25D

Internal standard: 2830-26B

Blank, CCBs: 2531-34G

Standard 1, CCVs: 2830-24D

ICV: 2830-18D

ICSA: 2830-22B

ICSAB: 2830-25A

File Number: 061127A1

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Monday, November 27, 2006 11:57:51

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	6.976	1567	0.731	2028	
Be	9.012	9.029	2070	0.721	2015	
Co	58.933	58.879	14281	0.740	1887	
In	114.904	114.929	27962	0.727	1849	
Ce	139.905	139.928	34035	0.732	1893	
Tl	204.975	204.979	49740	0.715	2111	
Pb	207.977	207.979	50476	0.704	2132	
U	238.050	238.077	57685	0.695	2293	

Report Date/Time: Monday, November 27, 2006 11:59:28

G6K090141
Page 1

STL Sacramento (916) 373 - 5600

177 of 276

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES

Sample Date/Time: Monday, November 27, 2006 12:05:26

Sample Description:

Sample File: C:\elandata\Sample\6326122X.sam

Method File: C:\elandata\Method\000-DAILY_EPA.mth

Dataset File: C:\elandata\Dataset\061127A1\Daily BJONES.003

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Number of Replicates: 5

Dual Detector Mode: Dual

Summary

Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
Mg	24	77831.578	783.714	1.007
Rh	103	349785.858	2789.205	0.797
Pb	208	216848.307	2009.960	0.927
[> Ba	138	364279.591	3471.797	0.953
[< Ba++	69	0.022	0.001	2.355
[> Ce	140	443986.327	1856.872	0.418
[< CeO	156	0.031	0.002	6.862
Bkgd	220	2.571	0.639	24.845
Li	7	14113.964	33.501	0.237
Be	9	4884.383	100.042	2.048
Co	59	185237.513	2731.812	1.475
In	115	448563.492	3195.337	0.712
Tl	205	314344.341	4561.777	1.451

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 12:31:50
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\Rinse.004
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2091751.215	ug/L	0.000
44 Ca			24436.749	ug/L	0.000
68 Zn			4050.281	ug/L	0.000
75 As			20827.163	ug/L	0.000
72 Ge-1			1567691.740	ug/L	0.000
67 Zn			2183.763	ug/L	0.000
66 Zn			1775.515	ug/L	0.000
72 Ge			1567691.740	ug/L	0.000
106 Pd			7.000	ug/L	0.000
83 Kr			440.344	ug/L	0.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45
Ca	44
Zn	68
As	75
Ge-1	72
Zn	67
Zn	66
Ge	72
Pd	106
Kr	83

Sample ID: Blank
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 12:34:59
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\Blank.005
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc				2215394.987	ug/L		
44 Ca				23597.780	ug/L		
68 Zn				5732.557	ug/L		
75 As				21004.722	ug/L		
L> 72 Ge-1				1648032.719	ug/L		
67 Zn				2136.397	ug/L		
66 Zn				2620.438	ug/L		
L> 72 Ge				1648032.719	ug/L		
106 Pd				10.667	ug/L		
Kr	83			438.678	ug/L		

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45
Ca	44
Zn	68
As	75
L> Ge-1	72
Zn	67
Zn	66
L> Ge	72
Pd	106
Kr	83

Sample ID: Standard 1

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 12:38:01

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\Standard 1.006

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas.	Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2181033.556		ug/L		2215394.987
44 Ca	5100.000000	0.769			2102346.615		ug/L		23597.780
68 Zn	100.000000	0.514			118991.998		ug/L		5732.557
75 As	100.000000	1.376			300672.457		ug/L		21004.722
L> 72 Ge-1					1610765.234		ug/L		1648032.719
67 Zn	100.000000	2.431			11648.338		ug/L		2136.397
66 Zn	100.000000	1.071			58111.336		ug/L		2620.438
L> 72 Ge					1610765.234		ug/L		1648032.719
106 Pd	100.000000	1.088			25244.366		ug/L		10.667
83 Kr	100.000000	73.956			461.679		ug/L		438.678

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45
Ca	44
Zn	68
As	75
L> Ge-1	72
Zn	67
Zn	66
L> Ge	72
Pd	106
Kr	83

Sample ID: ICV
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 12:40:48
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\ICV.007
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 3
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2165872.546	ug/L	2215394.987
44 Ca	883.345043	3.632	382691.058	ug/L	23597.780
68 Zn	83.066221	4.143	99645.217	ug/L	5732.557
75 As	81.052883	5.008	247212.651	ug/L	21004.722
72 Ge-1			1609605.763	ug/L	1648032.719
67 Zn	84.578095	4.517	10160.827	ug/L	2136.397
66 Zn	82.502934	5.192	48313.365	ug/L	2620.438
72 Ge			1609605.763	ug/L	1648032.719
106 Pd	81.232672	1.079	20508.675	ug/L	10.667
83 Kr	136.231962	55.370	470.013	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	97.668
Zn	67	
Zn	66	
Ge	72	97.668
Pd	106	
Kr	83	

BJones

Sample ID: ICB

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 12:43:40

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\ICB.008

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2187519.266	ug/L		2215394.987
44 Ca	0.387344	165.791			23416.965	ug/L		23597.780
68 Zn	-2.467240	8.185			2830.460	ug/L		5732.557
75 As	-0.269608	86.783			19935.977	ug/L		21004.722
72 Ge-1					1624272.210	ug/L		1648032.719
67 Zn	-1.490025	37.073			1961.616	ug/L		2136.397
66 Zn	-2.582987	5.080			1136.207	ug/L		2620.438
72 Ge					1624272.210	ug/L		1648032.719
106 Pd	-0.005284	263.391			9.333	ug/L		10.667
83 Kr	-76.811500	58.824			421.010	ug/L		438.678

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	98.558
Zn	67	
Zn	66	
Ge	72	98.558
Pd	106	
Kr	83	

Sample ID: LLSTD 10X

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 12:46:36

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\LLSTD 10X.009

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 83

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2332809.759	ug/L		2215394.987
44 Ca	51.057741	1.627			46946.611	ug/L		23597.780
68 Zn	3.789958	9.104			10592.081	ug/L		5732.557
75 As	0.126492	200.646			22343.028	ug/L		21004.722
72 Ge-1					1723277.215	ug/L		1648032.719
67 Zn	2.757351	11.060			2516.013	ug/L		2136.397
66 Zn	3.971874	10.241			5100.833	ug/L		2620.438
72 Ge					1723277.215	ug/L		1648032.719
106 Pd	1.038311	5.040			272.671	ug/L		10.667
83 Kr	11.594163	645.539			441.344	ug/L		438.678

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
Ca	44		
Zn	68		
As	75		
Ge-1	72		104.566
Zn	67		
Zn	66		
Ge	72		104.566
Pd	106		
Kr	83		

Sample ID: LLSTD 5X

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 12:48:54

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\LLSTD 5X.010

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 84

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2325863.480	ug/L	2215394.987
44 Ca	103.525783	0.815	69259.038	ug/L	23597.780
68 Zn	8.104509	4.342	15693.732	ug/L	5732.557
75 As	1.149728	32.743	25195.784	ug/L	21004.722
72 Ge-1			1709147.240	ug/L	1648032.719
67 Zn	7.460167	11.220	2972.748	ug/L	2136.397
66 Zn	8.232863	3.210	7569.490	ug/L	2620.438
72 Ge			1709147.240	ug/L	1648032.719
106 Pd	2.000031	4.831	515.349	ug/L	10.667
83 Kr	-104.347582	88.421	414.677	ug/L	438.678

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
Sc 45	
Ca 44	
Zn 68	
As 75	
Ge-1 72	103.708
Zn 67	
Zn 66	
Ge 72	103.708
Pd 106	
Kr 83	

SOP No. SAC-MT-0001

BJones

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 12:51:35

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\ICSA.011

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1802763.344	ug/L	2215394.987	
44 Ca	103915.795115	1.346			33849729.289	ug/L	23597.780	
68 Zn	0.253229	65.623			4703.265	ug/L	5732.557	
75 As	0.457197	80.398			17415.426	ug/L	21004.722	
72 Ge-1					1286211.066	ug/L	1648032.719	
67 Zn	29.336347	3.505			3907.108	ug/L	2136.397	
66 Zn	6.253025	5.137			4819.049	ug/L	2620.438	
72 Ge					1286211.066	ug/L	1648032.719	
106 Pd	1.714683	8.701			443.345	ug/L	10.667	
83 Kr	1640.613432	5.776			816.038	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	78.045
Zn	67	
Zn	66	
Ge	72	78.045
Pd	106	
Kr	83	

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 12:54:24

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\ICSAB.012

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1825376.504	ug/L	2215394.987	
44 Ca	104225.196779	0.625			34277723.266	ug/L	23597.780	
68 Zn	94.665378	0.348			91054.989	ug/L	5732.557	
75 As	103.447537	0.286			250203.487	ug/L	21004.722	
72 Ge-1					1298597.488	ug/L	1648032.719	
67 Zn	123.860465	1.408			11231.148	ug/L	2136.397	
66 Zn	100.911385	0.845			47260.031	ug/L	2620.438	
72 Ge					1298597.488	ug/L	1648032.719	
106 Pd	79.184369	0.274			19991.812	ug/L	10.667	
83 Kr	1798.591465	6.370			852.375	ug/L	438.678	

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
Ca	44		
Zn	68		
As	75		
Ge-1	72	78.797	
Zn	67		
Zn	66		
Ge	72	78.797	
Pd	106		
Kr	83		

Sample ID: Rinse
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 12:57:16
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\Rinse.013
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 6
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2222892.439	ug/L	2215394.987	
44 Ca	-6.726523	17.044	20674.062	ug/L	23597.780	
68 Zn	-2.714762	7.205	2567.378	ug/L	5732.557	
75 As	0.075248	32.791	21105.648	ug/L	21004.722	
72 Ge-1			1639111.712	ug/L	1648032.719	
67 Zn	-2.465793	24.472	1884.902	ug/L	2136.397	
66 Zn	-2.804431	7.976	1019.834	ug/L	2620.438	
72 Ge			1639111.712	ug/L	1648032.719	
106 Pd	-0.010568	150.000	8.000	ug/L	10.667	
83 Kr	157.971163	51.564	475.013	ug/L	438.678	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.459
Zn	67	
Zn	66	
Ge	72	99.459
Pd	106	
Kr	83	

BJones

Sample ID: CCV 1

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 13:00:09

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCV 1.014

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2197787.679	ug/L	2215394.987
44 Ca	5058.143758	1.408	2137226.915	ug/L	23597.780
68 Zn	99.119264	0.579	120935.348	ug/L	5732.557
75 As	100.297226	0.956	309035.900	ug/L	21004.722
72 Ge-1			1650983.314	ug/L	1648032.719
67 Zn	99.090331	0.262	11851.433	ug/L	2136.397
66 Zn	98.194993	0.518	58535.483	ug/L	2620.438
72 Ge			1650983.314	ug/L	1648032.719
106 Pd	95.628432	0.631	24141.258	ug/L	10.667
83 Kr	256.522392	46.551	497.681	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
Ca	44		
Zn	68		
As	75		
Ge-1	72		100.179
Zn	67		
Zn	66		
Ge	72		100.179
Pd	106		
Kr	83		

Sample ID: CCB 1
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 13:03:42
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\CCB 1.015
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc				2199169.385	ug/L	2215394.987
44 Ca	-5.785286	32.449		21230.061	ug/L	23597.780
68 Zn	-2.920975	6.755		2350.985	ug/L	5732.557
75 As	0.351271	52.848		22073.455	ug/L	21004.722
72 Ge-1				1652532.160	ug/L	1648032.719
67 Zn	-2.285951	21.298		1917.255	ug/L	2136.397
66 Zn	-3.034989	6.729		898.798	ug/L	2620.438
72 Ge				1652532.160	ug/L	1648032.719
106 Pd	-0.010568	112.500		8.000	ug/L	10.667
83 Kr	-40.579630	258.553		429.344	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	100.273
Zn	67	
Zn	66	
Ge	72	100.273
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 2

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 13:06:34

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCV 2.016

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2220597.147	ug/L	2215394.987
44 Ca	5123.750467	0.065	2157206.012	ug/L	23597.780
68 Zn	100.048572	0.921	121586.963	ug/L	5732.557
75 As	99.985675	0.364	307072.479	ug/L	21004.722
72 Ge-1			1645151.346	ug/L	1648032.719
67 Zn	97.524455	1.554	11656.032	ug/L	2136.397
66 Zn	97.850890	0.568	58135.457	ug/L	2620.438
72 Ge			1645151.346	ug/L	1648032.719
106 Pd	93.362073	1.376	23569.372	ug/L	10.667
83 Kr	271.015147	25.213	501.014	ug/L	438.678

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.825
Zn	67	
Zn	66	
Ge	72	99.825
Pd	106	
Kr	83	

Sample ID: CCB 2
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 13:09:26
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\CCB 2.017
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2263037.403	ug/L	2215394.987
44 Ca	-7.396395	9.682	21196.984	ug/L	23597.780
68 Zn	-3.005917	7.790	2321.311	ug/L	5732.557
75 As	-0.153622	262.125	21241.999	ug/L	21004.722
72 Ge-1			1703003.773	ug/L	1648032.719
67 Zn	-3.302960	19.417	1873.228	ug/L	2136.397
66 Zn	-3.149217	6.516	858.453	ug/L	2620.438
72 Ge			1703003.773	ug/L	1648032.719
106 Pd	-0.015852	101.036	6.667	ug/L	10.667
83 Kr	146.376909	47.370	472.346	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
Ca	44		
Zn	68		
As	75		
Ge-1	72	103.336	
Zn	67		
Zn	66		
Ge	72	103.336	
Pd	106		
Kr	83		

Sample ID: JJ71FC

Sample Description: G6K220000-120 LCS

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 13:17:52

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJ71FC.020

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 103

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2124187.320	ug/L	2215394.987
44 Ca	1120.591223	1.737	478013.146	ug/L	23597.780
68 Zn	184.817321	1.597	214286.901	ug/L	5732.557
75 As	177.909507	1.639	516840.895	ug/L	21004.722
72 Ge-1			1604362.184	ug/L	1648032.719
67 Zn	175.843953	1.068	18825.875	ug/L	2136.397
66 Zn	179.503426	0.785	101869.814	ug/L	2620.438
72 Ge			1604362.184	ug/L	1648032.719
106 Pd	171.831936	0.596	43370.221	ug/L	10.667
83 Kr	210.145275	38.652	487.014	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	97.350
Zn	67	
Zn	66	
Ge	72	97.350
Pd	106	
Kr	83	

BJones

Sample ID: JJ71FL

Sample Description: G6K220000-120 LCSD

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 13:20:40

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJ71FL.021

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 104

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2069553.323	ug/L	2215394.987	
44 Ca	1191.670721	4.119			487485.079	ug/L	23597.780	
68 Zn	195.191571	4.425			217350.087	ug/L	5732.557	
75 As	187.890183	3.791			523893.194	ug/L	21004.722	
72 Ge-1					1544164.856	ug/L	1648032.719	
67 Zn	185.770530	2.953			19019.375	ug/L	2136.397	
66 Zn	189.376859	3.291			103237.940	ug/L	2620.438	
72 Ge					1544164.856	ug/L	1648032.719	
106 Pd	176.181225	0.389			44467.708	ug/L	10.667	
83 Kr	252.174497	37.983			496.681	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	93.697
Zn	67	
Zn	66	
Ge	72	93.697
Pd	106	
Kr	83	

BJones

Sample ID: JJ71FB

Sample Description: G6K220000-120 BLK

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 13:31:42

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1JJ71FB.025

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 22

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2183721.464	ug/L	2215394.987
44 Ca	139.653387	0.976	81854.084	ug/L	23597.780
68 Zn	-1.416993	8.295	4088.956	ug/L	5732.557
75 As	-0.086521	237.118	20755.398	ug/L	21004.722
72 Ge-1			1648058.677	ug/L	1648032.719
67 Zn	-8.732424	7.612	1281.930	ug/L	2136.397
66 Zn	-1.378660	7.827	1836.873	ug/L	2620.438
72 Ge			1648058.677	ug/L	1648032.719
106 Pd	0.009247	42.857	13.000	ug/L	10.667
83 Kr	149.275507	64.276	473.013	ug/L	438.678

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	100.002
Zn	67	
Zn	66	
Ge	72	100.002
Pd	106	
Kr	83	

BJones

Sample ID: MB CONTROL

Sample Description:

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 13:34:41

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\MB CONTROL.026

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 23

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2325327.408	ug/L	2215394.987
44 Ca	338.989141	1.919	173259.661	ug/L	23597.780
68 Zn	0.097552	363.742	6139.494	ug/L	5732.557
75 As	-0.570140	13.132	20339.533	ug/L	21004.722
72 Ge-1			1730588.807	ug/L	1648032.719
67 Zn	-7.642903	2.248	1458.340	ug/L	2136.397
66 Zn	0.021492	1690.937	2765.229	ug/L	2620.438
72 Ge			1730588.807	ug/L	1648032.719
106 Pd	0.541609	11.344	147.335	ug/L	10.667
83 Kr	123.188431	46.153	467.012	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	105.009
Zn	67	
Zn	66	
Ge	72	105.009
Pd	106	
Kr	83	

Sample ID: CCV 3
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 13:36:59
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\CCV 3.027
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2235743.056	ug/L		2215394.987
44 Ca	5041.364370	1.879			2131310.261	ug/L		23597.780
68 Zn	96.555482	3.008			117989.199	ug/L		5732.557
75 As	96.782043	2.348			299063.403	ug/L		21004.722
72 Ge-1					1652142.785	ug/L		1648032.719
67 Zn	94.721211	3.303			11426.185	ug/L		2136.397
66 Zn	94.495350	2.983			56445.224	ug/L		2620.438
72 Ge					1652142.785	ug/L		1648032.719
106 Pd	91.079941	0.375			22993.505	ug/L		10.667
83 Kr	204.348256	67.361			485.680	ug/L		438.678

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
Ca	44		
Zn	68		
As	75		
Ge-1	72	100.249	
Zn	67		
Zn	66		
Ge	72	100.249	
Pd	106		
Kr	83		

BJones

Sample ID: CCB 3

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 13:39:51

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCB 3.028

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2262591.935		ug/L	2215394.987
44 Ca	-5.867584	4.636			21659.109		ug/L	23597.780
68 Zn	-2.857079	2.154			2476.351		ug/L	5732.557
75 As	-0.151428	46.756			21065.440		ug/L	21004.722
72 Ge-1					1687662.410		ug/L	1648032.719
67 Zn	-2.693480	29.811			1918.256		ug/L	2136.397
66 Zn	-2.951157	1.345			965.816		ug/L	2620.438
72 Ge					1687662.410		ug/L	1648032.719
106 Pd	-0.017173	53.294			6.333		ug/L	10.667
83 Kr	194.203131	18.642			483.347		ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
Ca	44		
Zn	68		
As	75		
Ge-1	72	102.405	
Zn	67		
Zn	66		
Ge	72	102.405	
Pd	106		
Kr	83		

BJones

Sample ID: CCV 4

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 13:42:44

Method File: C:\elandata\Method\6326122R.rnht

Dataset File: C:\elandata\Dataset\061127A1\CCV 4.029

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2201464.677	ug/L	2215394.987	
44 Ca	5067.657739	0.249			2138118.569	ug/L	23597.780	
68 Zn	97.795462	0.218			119219.754	ug/L	5732.557	
75 As	98.039260	1.157			302086.553	ug/L	21004.722	
72 Ge-1					1648474.010	ug/L	1648032.719	
67 Zn	95.013752	1.345			11433.881	ug/L	2136.397	
66 Zn	95.319551	0.353			56812.803	ug/L	2620.438	
72 Ge					1648474.010	ug/L	1648032.719	
106 Pd	92.058735	0.870			23240.491	ug/L	10.667	
83 Kr	266.667265	13.346			500.014	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	100.027
Zn	67	
Zn	66	
Ge	72	100.027
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 4

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 13:45:36

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCB 4.030

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2219019.133	ug/L	2215394.987	
44 Ca	-6.866294	9.526	21062.655	ug/L	23597.780	
68 Zn	-2.535312	22.000	2835.809	ug/L	5732.557	
75 As	-0.228396	30.407	20674.254	ug/L	21004.722	
72 Ge-1			1674259.268	ug/L	1648032.719	
67 Zn	-2.283557	26.477	1943.271	ug/L	2136.397	
66 Zn	-2.554888	22.226	1186.903	ug/L	2620.438	
72 Ge			1674259.268	ug/L	1648032.719	
106 Pd	-0.009247	49.487	8.333	ug/L	10.667	
83 Kr	15.941951	245.960	442.345	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	101.591
Zn	67	
Zn	66	
Ge	72	101.591
Pd	106	
Kr	83	

Sample ID: CCV 5
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 14:16:47
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\CCV 5.041
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2203556.111	ug/L		2215394.987
44 Ca	5063.402145	2.290			2119688.532	ug/L	23597.780	
68 Zn	97.965103	2.081			118482.178	ug/L	5732.557	
75 As	96.553748	1.628			295522.974	ug/L	21004.722	
72 Ge-1					1635832.312	ug/L	1648032.719	
67 Zn	96.316801	1.353			11472.355	ug/L	2136.397	
66 Zn	94.720539	1.636			56034.981	ug/L	2620.438	
72 Ge					1635832.312	ug/L	1648032.719	
106 Pd	89.967419	0.845			22712.775	ug/L	10.667	
83 Kr	178.261040	19.563			479.680	ug/L	438.678	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.260
Zn	67	
Zn	66	
Ge	72	99.260
Pd	106	
Kr	83	

BJones

Sample ID: CCB 5

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 14:19:40

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCB 5.042

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2238929.284	ug/L	2215394.987
44 Ca	-4.498855	45.373	21939.484	ug/L	23597.780
68 Zn	-2.917755	5.212	2373.990	ug/L	5732.557
75 As	-0.292538	61.906	20374.554	ug/L	21004.722
72 Ge-1			1665208.469	ug/L	1648032.719
67 Zn	-2.406249	20.853	1920.590	ug/L	2136.397
66 Zn	-2.956332	4.810	950.812	ug/L	2620.438
72 Ge			1665208.469	ug/L	1648032.719
106 Pd	-0.007926	144.338	8.667	ug/L	10.667
83 Kr	114.492993	150.708	465.012	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	101.042
Zn	67	
Zn	66	
Ge	72	101.042
Pd	106	
Kr	83	

BJones

Sample ID: CCV 6

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 14:22:32

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCV 6.043

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2192955.485		ug/L	2215394.987
44 Ca	5022.512783	0.454			2117126.915		ug/L	23597.780
68 Zn	97.555802	0.893			118818.653		ug/L	5732.557
75 As	97.185336	0.743			299348.175		ug/L	21004.722
72 Ge-1					1646795.372		ug/L	1648032.719
67 Zn	94.172106	0.808			11340.541		ug/L	2136.397
66 Zn	94.791338	0.537			56455.398		ug/L	2620.438
72 Ge					1646795.372		ug/L	1648032.719
106 Pd	90.338261	1.120			22806.352		ug/L	10.667
83 Kr	298.551647	40.785			507.348		ug/L	438.678

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.925
Zn	67	
Zn	66	
Ge	72	99.925
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 6

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 14:25:24

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCB 6.044

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2220521.644	ug/L	2215394.987	
44 Ca	-4.059618	13.984	22230.205	ug/L	23597.780	
68 Zn	-2.225593	13.947	3195.588	ug/L	5732.557	
75 As	-0.134581	49.426	20927.202	ug/L	21004.722	
72 Ge-1			1672589.283	ug/L	1648032.719	
67 Zn	-1.385811	9.977	2030.660	ug/L	2136.397	
66 Zn	-2.396681	9.492	1276.262	ug/L	2620.438	
72 Ge			1672589.283	ug/L	1648032.719	
106 Pd	-0.017173	87.368	6.333	ug/L	10.667	
83 Kr	231.884523	38.745	492.014	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	101.490
Zn	67	
Zn	66	
Ge	72	101.490
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: JJACE

Sample Description: G6K090141-1

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 14:31:07

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJACE.046

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 46

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2229023.285	ug/L	2215394.987	
44 Ca	600.517817	1.240	276044.780	ug/L	23597.780	
68 Zn	3.377244	2.153	9719.396	ug/L	5732.557	
75 As	0.350650	4.133	22166.722	ug/L	21004.722	
72 Ge-1			1659774.529	ug/L	1648032.719	
67 Zn	-3.077678	14.568	1848.547	ug/L	2136.397	
66 Zn	3.160393	5.524	4448.165	ug/L	2620.438	
72 Ge			1659774.529	ug/L	1648032.719	
106 Pd	0.694846	2.614	186.002	ug/L	10.667	
83 Kr	304.348828	45.766	508.681	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	100.712
Zn	67	
Zn	66	
Ge	72	100.712
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: JJACEP5

Sample Description: G6K090141-1 5X

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 14:33:55

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJACEP5.047

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 47

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2248805.081	ug/L	2215394.987
44 Ca	129.009610	0.422	79157.442	ug/L	23597.780
68 Zn	0.372616	30.226	6303.938	ug/L	5732.557
75 As	-0.263110	46.580	20706.409	ug/L	21004.722
72 Ge-1			1685144.453	ug/L	1648032.719
67 Zn	-1.036363	76.764	2080.693	ug/L	2136.397
66 Zn	0.340709	48.061	2877.659	ug/L	2620.438
72 Ge			1685144.453	ug/L	1648032.719
106 Pd	0.125494	4.824	42.333	ug/L	10.667
83 Kr	247.826573	11.142	495.681	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
---------	------	--------------------

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	102.252
Zn	67	
Zn	66	
Ge	72	102.252
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: JJACEZ

Sample Description: G6K090141-1 PS

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 14:36:43

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJACEZ.048

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 48

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2185873.300	ug/L	2215394.987	
44 Ca	1663.346897	1.389	711923.627	ug/L	23597.780	
68 Zn	208.296634	1.163	245476.915	ug/L	5732.557	
75 As	193.644852	1.326	571627.233	ug/L	21004.722	
72 Ge-1			1635365.062	ug/L	1648032.719	
67 Zn	196.413523	1.836	21185.914	ug/L	2136.397	
66 Zn	200.788849	0.842	115845.508	ug/L	2620.438	
72 Ge			1635365.062	ug/L	1648032.719	
106 Pd	185.185625	1.350	46739.851	ug/L	10.667	
83 Kr	398.552451	29.198	530.349	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.231
Zn	67	
Zn	66	
Ge	72	99.231
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: JJACG

Sample Description: G6K090141-2

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 14:39:32

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJACG.049

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 49

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2166514.322	ug/L	2215394.987
44 Ca	719.990672	0.846	319901.498	ug/L	23597.780
68 Zn	5.332217	6.443	11769.917	ug/L	5732.557
75 As	0.384894	19.661	21831.634	ug/L	21004.722
72 Ge-1			1627465.082	ug/L	1648032.719
67 Zn	-1.657953	13.752	1949.608	ug/L	2136.397
66 Zn	5.104056	6.998	5452.423	ug/L	2620.438
72 Ge			1627465.082	ug/L	1648032.719
106 Pd	0.661821	3.405	177.668	ug/L	10.667
83 Kr	185.507559	64.627	481.347	ug/L	438.678

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	98.752
Zn	67	
Zn	66	
Ge	72	98.752
Pd	106	
Kr	83	

BJones

Sample ID: JJACH

Sample Description: G6K090141-3

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 14:42:21

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJACH.050

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 50

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2179342.288	ug/L	2215394.987
44 Ca	649.833788	0.555	290855.094	ug/L	23597.780
68 Zn	3.711404	4.488	9907.941	ug/L	5732.557
75 As	0.411174	73.864	21896.055	ug/L	21004.722
72 Ge-1			1626669.027	ug/L	1648032.719
67 Zn	-3.294034	27.523	1790.514	ug/L	2136.397
66 Zn	3.496151	8.374	4547.642	ug/L	2620.438
72 Ge			1626669.027	ug/L	1648032.719
106 Pd	0.690883	16.595	185.002	ug/L	10.667
83 Kr	315.943059	36.210	511.348	ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	98.704
Zn	67	
Zn	66	
Ge	72	98.704
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: JJACJ

Sample Description: G6K090141-4

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 14:45:11

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJACJ.051

Tuning File: c:\elandata\Tuning\default.fun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 51

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2167201.399	ug/L	2215394.987
44 Ca	320.018375	0.095	156376.654	ug/L	23597.780
68 Zn	-1.321046	16.730	4181.001	ug/L	5732.557
75 As	0.037361	457.395	21014.625	ug/L	21004.722
72 Ge-1			1640504.808	ug/L	1648032.719
67 Zn	-7.738391	7.364	1372.968	ug/L	2136.397
66 Zn	-1.378719	15.741	1828.536	ug/L	2620.438
72 Ge			1640504.808	ug/L	1648032.719
106 Pd	0.365915	16.173	103.001	ug/L	10.667
83 Kr	189.855328	40.343	482.347	ug/L	438.678

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.543
Zn	67	
Zn	66	
Ge	72	99.543
Pd	106	
Kr	83	

BJones

Sample ID: JJACK

Sample Description: G6K090141-5

Batch ID: 6326120

Sample Date/Time: Monday, November 27, 2006 14:48:01

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\JJACK.052

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 52

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2153452.297	ug/L	2215394.987	
44 Ca	1392.741671	0.997			592877.855	ug/L	23597.780	
68 Zn	14.796104	0.367			22455.444	ug/L	5732.557	
75 As	0.908185	3.186			23152.244	ug/L	21004.722	
72 Ge-1					1616199.174	ug/L	1648032.719	
67 Zn	7.137040	12.443			2780.237	ug/L	2136.397	
66 Zn	14.098446	0.996			10428.372	ug/L	2620.438	
72 Ge					1616199.174	ug/L	1648032.719	
106 Pd	1.408200	5.074			366.008	ug/L	10.667	
83 Kr	352.175163	22.096			519.682	ug/L	438.678	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	98.068
Zn	67	
Zn	66	
Ge	72	98.068
Pd	106	
Kr	83	

Sample ID: CCV 7

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 14:56:34

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCV 7.055

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2151798.780	ug/L	2215394.987	
44 Ca	5038.922172	0.867			2078105.713	ug/L	23597.780	
68 Zn	97.385158	0.779			116062.360	ug/L	5732.557	
75 As	96.913928	0.818			292128.812	ug/L	21004.722	
72 Ge-1					1611293.053	ug/L	1648032.719	
67 Zn	96.803906	2.086			11348.577	ug/L	2136.397	
66 Zn	95.680199	0.179			55733.300	ug/L	2620.438	
72 Ge					1611293.053	ug/L	1648032.719	
106 Pd	88.727787	0.808			22399.970	ug/L	10.667	
83 Kr	198.551028	43.041			484.347	ug/L	438.678	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	97.771
Zn	67	
Zn	66	
Ge	72	97.771
Pd	106	
Kr	83	

BJones

Sample ID: CCB 7

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 14:59:27

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCB 7.056

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2215742.301		ug/L	2215394.987
44 Ca	-5.766118	18.622			21053.972		ug/L	23597.780
68 Zn	-2.561013	4.839			2743.764		ug/L	5732.557
75 As	-0.382217	59.214			19778.259		ug/L	21004.722
72 Ge-1					1637320.588		ug/L	1648032.719
67 Zn	-1.588013	45.201			1968.287		ug/L	2136.397
66 Zn	-2.734973	4.733			1059.180		ug/L	2620.438
72 Ge					1637320.588		ug/L	1648032.719
106 Pd	-0.007926	125.831			8.667		ug/L	10.667
83 Kr	298.551642	39.998			507.348		ug/L	438.678

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.350
Zn	67	
Zn	66	
Ge	72	99.350
Pd	106	
Kr	83	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 8

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 15:02:19

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCV 8.057

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2175869.148	ug/L	2215742.301	
44 Ca	5104.270298	0.953			2088541.089	ug/L	21053.972	
68 Zn	101.018325	0.469			117709.134	ug/L	2743.764	
75 As	100.745128	0.884			295402.102	ug/L	19778.259	
72 Ge-1					1618050.867	ug/L	1637320.588	
67 Zn	97.614290	1.212			11169.259	ug/L	1968.287	
66 Zn	99.794350	1.083			55850.334	ug/L	1059.180	
72 Ge					1618050.867	ug/L	1637320.588	
106 Pd	100.399988	0.741			22489.532	ug/L	8.667	
83 Kr	-79.710419	215.874			525.683	ug/L	507.348	

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
--------------	--------------------

Sc 45	
Ca 44	
Zn 68	
As 75	
Ge-1 72	98.823
Zn 67	
Zn 66	
Ge 72	98.823
Pd 106	
Kr 83	

Sample ID: CCB 8
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 15:05:12
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\CCB 8.058
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 5
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2193499.107	ug/L	2215742.301
44 Ca	0.056438	1900.642	21195.983	ug/L	21053.972
68 Zn	0.404511	67.459	3227.599	ug/L	2743.764
75 As	0.087085	421.134	20132.784	ug/L	19778.259
72 Ge-1			1646535.789	ug/L	1637320.588
67 Zn	0.671768	69.722	2044.002	ug/L	1968.287
66 Zn	0.449540	76.524	1316.281	ug/L	1059.180
72 Ge			1646535.789	ug/L	1637320.588
106 Pd	-0.004466	152.752	7.667	ug/L	8.667
83 Kr	8.695734	851.951	505.348	ug/L	507.348

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	100.563
Zn	67	
Zn	66	
Ge	72	100.563
Pd	106	
Kr	83	

Sample ID: LLSTD 10X

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 15:10:58

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\LLSTD 10X.060

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 83

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2336751.017	ug/L	2215742.301
44 Ca	51.086583	1.244	44390.652	ug/L	21053.972
68 Zn	6.183497	2.382	10429.881	ug/L	2743.764
75 As	0.406866	16.708	22097.756	ug/L	19778.259
72 Ge-1			1730666.682	ug/L	1637320.588
67 Zn	4.466698	14.774	2532.026	ug/L	1968.287
66 Zn	6.319827	1.650	4832.067	ug/L	1059.180
72 Ge			1730666.682	ug/L	1637320.588
106 Pd	1.097169	8.246	254.337	ug/L	8.667
83 Kr	52.173982	154.635	495.347	ug/L	507.348

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	105.701
Zn	67	
Zn	66	
Ge	72	105.701
Pd	106	
Kr	83	

BJones

Sample ID: LLSTD 5X

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 15:13:17

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\LLSTD 5X.061

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 84

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc				2364913.650	ug/L	2215742.301
44 Ca	101.391607	4.327		66593.122	ug/L	21053.972
68 Zn	9.941804	3.011		15099.686	ug/L	2743.764
75 As	1.011688	15.592		24025.097	ug/L	19778.259
72 Ge-1				1742071.034	ug/L	1637320.588
67 Zn	7.901841	10.950		2896.675	ug/L	1968.287
66 Zn	10.310987	1.680		7222.003	ug/L	1059.180
72 Ge				1742071.034	ug/L	1637320.588
106 Pd	2.206278	0.843		502.681	ug/L	8.667
83 Kr	197.101074	61.488		462.012	ug/L	507.348

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	106.398
Zn	67	
Zn	66	
Ge	72	106.398
Pd	106	
Kr	83	

BJones

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 15:15:31

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\ICSA.062

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1830699.468	ug/L	2215742.301	
44 Ca	106401.280183	1.554			34315444.769	ug/L	21053.972	
68 Zn	2.636941	5.988			4545.848	ug/L	2743.764	
75 As	0.666571	40.249			17008.657	ug/L	19778.259	
72 Ge-1					1287589.725	ug/L	1637320.588	
67 Zn	29.709643	6.217			3781.288	ug/L	1968.287	
66 Zn	8.580084	3.779			4582.693	ug/L	1059.180	
72 Ge					1287589.725	ug/L	1637320.588	
106 Pd		1.877264			429.011	ug/L	8.667	
83 Kr	-1494.233398	10.766			851.041	ug/L	507.348	

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	78.640
Zn	67	
Zn	66	
Ge	72	78.640
Pd	106	
Kr	83	

BJones

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 15:18:20

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\ICSAB.063

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1824130.704	ug/L	2215742.301	
44 Ca	106624.003301	0.837			34314477.551	ug/L	21053.972	
68 Zn	97.838028	0.340			90591.552	ug/L	2743.764	
75 As	106.048791	0.383			246091.690	ug/L	19778.259	
72 Ge-1					1284780.244	ug/L	1637320.588	
67 Zn	128.061510	1.190			11153.872	ug/L	1968.287	
66 Zn	104.837158	0.985			46547.447	ug/L	1059.180	
72 Ge					1284780.244	ug/L	1637320.588	
106 Pd	86.540081	0.355			19386.119	ug/L	8.667	
83 Kr	-1634.819041	10.909			883.378	ug/L	507.348	

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	78.468
Zn	67	
Zn	66	
Ge	72	78.468
Pd	106	
Kr	83	

BJones

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 15:21:12

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\Rinse.064

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2177424.510	ug/L	2215742.301	
44 Ca	-3.266566	16.549	19601.265	ug/L	21053.972	
68 Zn	-0.783098	23.141	1831.527	ug/L	2743.764	
75 As	0.390148	79.336	20742.887	ug/L	19778.259	
72 Ge-1			1627932.332	ug/L	1637320.588	
67 Zn	-1.308655	15.795	1832.537	ug/L	1968.287	
66 Zn	-0.681928	30.163	676.408	ug/L	1059.180	
72 Ge			1627932.332	ug/L	1637320.588	
106 Pd	-0.0002732185925.878		8.667	ug/L	8.667	
83 Kr	-92.753719	75.341	528.683	ug/L	507.348	

Internal Standard Recoveries

Analyte	Mass	Int Std	% Recovery
Sc	45		
Ca	44		
Zn	68		
As	75		
Ge-1	72	99.427	
Zn	67		
Zn	66		
Ge	72	99.427	
Pd	106		
Kr	83		

Sample ID: CCV 9
Sample Description:
Batch ID:
Sample Date/Time: Monday, November 27, 2006 15:24:05
Method File: C:\elandata\Method\6326122R.mth
Dataset File: C:\elandata\Dataset\061127A1\CCV 9.065
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Autosampler Position: 4
Number of Replicates: 3
Dual Detector Mode: Dual
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2212140.807	ug/L	2215742.301
44 Ca	5104.716424	1.084	2104983.795	ug/L	21053.972
68 Zn	99.446971	1.494	116815.335	ug/L	2743.764
75 As	100.690031	0.950	297536.554	ug/L	19778.259
72 Ge-1			1630545.469	ug/L	1637320.588
67 Zn	98.329854	1.157	11324.148	ug/L	1968.287
66 Zn	99.270848	0.476	55995.576	ug/L	1059.180
72 Ge			1630545.469	ug/L	1637320.588
106 Pd	104.176198	0.559	23335.075	ug/L	8.667
83 Kr	-73.913073	79.865	524.349	ug/L	507.348

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	99.586
Zn	67	
Zn	66	
Ge	72	99.586
Pd	106	
Kr	83	

BJones

Sample ID: CCB 9

Sample Description:

Batch ID:

Sample Date/Time: Monday, November 27, 2006 15:26:57

Method File: C:\elandata\Method\6326122R.mth

Dataset File: C:\elandata\Dataset\061127A1\CCB 9.066

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: C:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2228177.651	ug/L	2215742.301
44 Ca	-4.153139	13.122	19493.025	ug/L	21053.972
68 Zn	-0.308684	56.387	2405.999	ug/L	2743.764
75 As	0.411026	66.669	21068.956	ug/L	19778.259
72 Ge-1			1649261.412	ug/L	1637320.588
67 Zn	-0.751289	75.368	1910.251	ug/L	1968.287
66 Zn	-0.208340	81.405	950.479	ug/L	1059.180
72 Ge			1649261.412	ug/L	1637320.588
106 Pd	0.007443	91.652	10.333	ug/L	8.667
83 Kr	-28.985427	133.324	514.015	ug/L	507.348

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Ca	44	
Zn	68	
As	75	
Ge-1	72	100.729
Zn	67	
Zn	66	
Ge	72	100.729
Pd	106	
Kr	83	

Sample Preparation Log

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 22-Nov-06

Analyst: LoeraM

Matrix: AIR

Fraction: Filter

SOP:

Method: ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6K220000	120	JJ71FB	2A	NA	NA	NA	100	6326120	1.2
G6K220000	120	JJ71FC	2A	NA	NA	NA	100	6326120	1.2
G6K220000	120	JJ71FL	2A	NA	NA	NA	100	6326120	1.2
G6K090141	1	JJACE	2A	9	0.75	0.75	100	6326120	1.2
G6K090141	2	JJACG	2A	9	0.75	0.75	100	6326120	1.2
G6K090141	3	JJACH	2A	9	0.75	0.75	100	6326120	1.2
G6K090141	4	JJACJ	2A	9	0.75	0.75	100	6326120	1.2
G6K090141	5	JJACK	2A	9	0.75	0.75	100	6326120	1.2
G6K140165	1	JJMHA	2A	9	0.75	0.75	100	6326120	1.2
G6K140165	2	JJMHE	2A	9	0.75	0.75	100	6326120	1.2
G6K140165	3	JJMHF	2A	9	0.75	0.75	100	6326120	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)

Page 1 of 1
QA-372B mlt 02/20/03

STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN
TRIDENT

STL

Lot #

G6K140165-(1-3); G6K090141-(1-5)

Batch Number:

6326120

EPA Analytical
Method ID:

6020

Spiked Date:

11/22/06

MS Run #:

EPA Prep
Method ID:

2A

Hot Plate
Microwave ID:

90-4

Analyst Initial/Date:

MC/11/22/06

Witness Initial/Date:

T.L 11/22/06

Hot Plate Temp

Initial: 90°
Final: _____

Correct Folder ID

Witness: _____

Thermometer ID:

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO ₃	Ca, Mg Al, As, Ba, Sc, Sn, Ti Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu	5,000 200 100 50 25				
		Cr .Be, Cd Ag	20 5 5.0				
	ICP Part 2 2% HNO ₃	K, Na P, S	5,000 1,000				
		B, Li, Sr	100				
	Si H2O/Tr HF	Si	1,000				
✓	XCAL-45 5% HNO ₃	Al, K, Mg, Ca, Na, Fe, P, B, Si As, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Sc, U, V, Zn, Ba, Li, Sn, Sr, Ti Sb, Ag, Ti	50 10 2.5	1774-Mt 8-12	2.0ml		10/07
	Misc. Elements						

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
✓	70% HNO ₃	Mallinckrodt	C37055		30% H ₂ O ₂	Mallinckrodt	
	37% HCl	Mallinckrodt			49% HF	Fisher	

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.

ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.

Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

QA-400 DAW 5/22/06

AIR, 9056, Sulfate

General Anions by IC

*Fluoride
Chloride
Nitrite
Bromide
Nitrate
Phosphate
Sulfate*

STL Sacramento

LEVEL 1&2 REVIEW CHECKLIST GENERAL CHEMISTRY

LAB NUMBERS: G6K200163, G6K200159, G6K200166, G6K200172, G6K150183
G6K180206, G6K200210, G6K090141 and G6K140165

ANALYSIS: 300.0 DATE: 11/22/06 ANALYST: OS

LEVEL 1 RUN REVIEW:

1. Samples are properly preserved and verified
2. Run set-up meets standard criteria (Curve, ICV, ICB, REF...CCV,CCB..)
3. Calibration criteria met
4. Calibration verifications and second source reference are in control
5. Batch QC are in control (Blank, LCS, MSQC, LCS dup when necessary)
6. Calculations have been checked
7. QAS +/or QAPP was consulted and followed for client specifics
8. Standard Tracking # noted on benchsheet +/or runlog
9. Manual integration performed, documented and approved

YES	NO	NA
✓		✓
✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		

LEVEL 1 DATA REVIEW:

1. Benchsheet complete
2. QAS +/or QAPP consulted and followed for client specifics for data entry
3. Data entered properly
4. Copy of prep sheet and prep checklist attached to run
5. Analyst observations, HTV's, Anomalies properly documented and attached to run.

✓		
✓		
✓		
		✓

Completed By & Date: OS 11/28/06

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified
2. Deviations, Anomalies, Holding times checked and approved
3. Reprep/Reanalysis documented and chemist notified
4. Client specific criteria met
5. Data entry checked and released in Quantims
6. Indication on benchsheet on review and release (dated & signed)
7. Manual integration reviewed, approved, and properly documented

✓		
✓		
✓		
✓		
✓		

Completed By & Date: JD 12-4-06

Comments:

Sulfate in Filters

Lot:	G6K090141 and G6K140165		Analysis Date:	11/22/06					
Default RL =	0.040	mg/Filter	Batch:	6331180					
Sample ID	Work Order	Dilution for Fraction of Filter Analyzed*	Instrument Factor	Adjusted	Sulfate (mg/L)	RL.	Total Sulfate (mg/Filter)	% Rec	
G6K090141-1	JJACE	12	1	12	2.291	0.4800	1.0997		
G6K090141-2	JJACG	12	1	12	2.412	0.4800	1.1578		
G6K090141-3	JJACH	12	1	12	2.396	0.4800	1.1501		
G6K090141-4	JJACJ	12	1	12	0.227	0.4800	0.1090		
G6K090141-5	JJACK	12	1	12	3.676	0.4800	1.7645		
<hr/>									
G6K140165-1	JJMHA	12	1	12	1.163	0.4800	0.5582		
G6K140165-2	JJMHE	12	1	12	1.448	0.4800	0.6950		
G6K140165-3	JJMHF	12	1	12	1.427	0.4800	0.6850		
<hr/>									
MB		12	1	12	1.178	0.4800	0.5654		
LCS		12	1	12	10.084	0.4800	4.8403	101	
DSC		12	1	12	10.126	0.4800	4.8605	101	
<hr/>									
LCS True Value =	4.800	mg/Filter							
MS/SD True Value =	✓ A								
Analyst:	✓ S	Date Entered:	11/27/06		Reviewed By:	JDL		12.4.06	

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEETRun Date: 11/27/06
Time: 10:05:08

STL Sacramento

PRODUCTION FIGURES - WET CHEM

<u>TOTAL NUMBER</u>	<u>SAMPLE NUMBER</u>	<u>QC</u>	<u>RE-RUN MATRIX</u>	<u>RE-RUN OTHER</u>	<u>MISC NUMBER</u>	<u>TOTAL HOURS</u>	<u>EXPANDED DELIVERABLE</u>

METHOD: GK Sulfate (9056, Ion Chromatography)

QC BATCH #: 6331180 INITIALS: DATA ENTRY:

PREP DATE: 11/22/06 13:00 PREP _____ INITIALS _____

COMP DATE: 11/22/06 14:00 ANAL _____ DATE _____

USER: OUNIS

<u>Work Order</u>	<u>Lab Number</u>	<u>Structured Analysis</u>	<u>Exp. Del.</u>	<u>Analysis Date</u>	<u>Sample ID:</u>
JJACE-1-AL	G-6K090141-001	XX S 82 GK YM	Y-D	_____	P-0790
JJACG-1-AL	G-6K090141-002	XX S 82 GK YM	Y-D	_____	P-0791
JJACH-1-AL	G-6K090141-003	XX S 82 GK YM	Y-D	_____	P-0793
JJACJ-1-AL	G-6K090141-004	XX S 82 GK YM	Y-D	_____	P-0794
JJACK-1-AL	G-6K090141-005	XX S 82 GK YM	Y-D	_____	P-0795
JJMHA-1-AL	G-6K140165-001	XX S 82 GK YM	Y-D	_____	P-0796
JJMHE-1-AL	G-6K140165-002	XX S 82 GK YM	Y-D	_____	P-0797
JJMHF-1-AL	G-6K140165-003	XX S 82 GK YM	Y-D	_____	P-0799
JKC3P-1-AA	G-6K270000-180-B	XX S 82 GK YM	_____	INTRALAB BLANK	
JKC3P-1-AC	G-6K270000-180-C	XX S 82 GK YM	_____	INTRALAB CHECK	
JKC3P-1-AD	G-6K270000-180-L	XX S 82 GK YM	_____	INTRALAB CHECK	

Control Limits

(85-115)

(85-115)

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch 6331180

Date 11/27/2006
Time 15:20:16

Method Code: GK Sulfate (9056, Ion Chromatography)

Analyst: Sonia Ouni

Work Order	Result	Units	LDL/Dil	Prep - Anal.	Total Solids	PSRL N	R/Flag	Rounded Result	Output LDL	Dil.
JJACG-1-AL	1.100	mg	0.48	11/22/06	.00	N		1.1	0.48	12.00
JJACH-1-AL	1.158	mg	0.48	11/22/06	.00	N		1.2	0.48	12.00
JJACJ-1-AL	1.150	mg	0.48	11/22/06	.00	N		1.2	0.48	12.00
JJACK-1-AL	0.109	mg	0.48	11/22/06	.00	N		0.11	0.48	12.00
JJMHA-1-AL	1.764	mg	0.48	11/22/06	.00	N		1.8	0.48	12.00
JJMHE-1-AL	0.558	mg	0.48	11/22-11/23/06	.00	N		0.56	0.48	12.00
JJMHF-1-AL	0.695	mg	0.48	11/22-11/23/06	.00	N		0.70	0.48	12.00
JKC3P-1-AA	0.685	mg	0.48	11/22-11/23/06	.00	N		0.68	0.48	12.00
JKC3P-1-AA	0.565	mg	0.48	11/22-11/23/06	.00			0.56	0.48	12.00

Notes:

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.
B Estimated result. Result is less than RL.

LCS - LCSD Exception

Work Order	Exception Code	Measured Sample	True Spike	Measured Spike	Measured Dup.	Spike Pct.	Pct.	Recovered Dup.	RPD	Prep - Anal.	Dil.
JKC3P-1-AC		4.800	4.8403	4.8605	4.8605	100.783	101.26	.41	.41	11/22-11/23/06	1.00

Notes:

TEST	TOTAL #	SAMPLE #	PRODUCTION TOTALS	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	0	0

C:\...\11\22\106

C:\...\exp: 11\27\106

Method 300.0

Sequence: 061122A
Operator: ounis

Eluent: 2.864-wc-33-3

Page 1 of 6

Printed: 11/27/2006 4:52:53 PM

Title: AS14A 013004
Datasource: D4N34341_local Spike: 2.624-wc-34-1-CL
Location: ICS1000\SEQUENCES\2006\NOVEMBER 2006
Timebase: ICS1000
#Samples: 67SONJA ounis
11\22\106Created: 11/22/2006 9:13:05 AM by ounis
Last Update: 11/27/2006 4:52:06 PM by ounis

No.	Name	Dil. Factor	Type	F [ppm] Fluoride	CL [ppm] Chloride	NO2 [ppm] Nitrite	Br [ppm] Bromide	NO3 [ppm] Nitrate	PO4 [ppm] Phosphate	SO4 [ppm] Sulfate
1	BLANK	1.0000	Standard	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
2	1R	1.0000	Standard	0.510	0.954	n.a.	0.525	0.055	0.233	0.916
3	2R	1.0000	Standard	2.337	4.899	0.504	2.442	0.480	2.289	5.069
4	3R	1.0000	Standard	5.162	9.757	0.983	4.791	0.966	4.571	10.113
5	4R	1.0000	Standard	9.454	20.062	1.947	9.703	1.935	9.237	19.941
6	5R	1.0000	Standard	24.508	50.491	4.909	24.393	4.870	24.048	49.933
7	6R	1.0000	Standard	51.029	99.812	10.157	51.146	10.244	52.322	100.028
8	BLANK	1.0000	Unknown	n.a.	0.888	n.a.	n.a.	n.a.	n.a.	n.a.
9	ICV	1.0000	Unknown	30.844	76.225	7.391	29.752	7.547	29.495	75.494
10	ICB	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
11	JJ4JT 1X G6K200163-1 CL	1.0000	Unknown	0.332	18.916	n.a.	n.a.	3.516	n.a.	32.087
12	JJ4J1 1X G6K200163-2	1.0000	Unknown	n.a.	21.376	n.a.	n.a.	1.942	n.a.	15.696
13	JJ4HW 1X G6K200159-1	1.0000	Unknown	0.240	13.025	n.a.	n.a.	5.882	n.a.	20.957
14	JJ4H6 1X G6K200159-2	1.0000	Unknown	0.166	27.044	n.a.	n.a.	2.592	n.a.	12.291
15	JJ4JL 1X G6K200159-3	1.0000	Unknown	0.253	19.483	n.a.	0.308	6.959	n.a.	19.186
16	JJ4JM 1X G6K200159-4	1.0000	Unknown	0.326	25.851	n.a.	n.a.	4.627	n.a.	9.165
17	JJ4J9 1X G6K200166-1	1.0000	Unknown	0.237	38.271	n.a.	0.519	3.368	n.a.	25.693
18	JJ4KE 1X G6K200166-2	1.0000	Unknown	n.a.	5.153	n.a.	n.a.	9.570	n.a.	12.740
19	JJ4KH 1X G6K200166-3	1.0000	Unknown	0.258	13.208	n.a.	n.a.	4.941	0.180	20.323
20	JJ4KK 2X G6K200166-4	2.0000	Unknown	n.a.	134.408	n.a.	1.321	0.221	n.a.	13.804
21	CCV	1.0000	Unknown	24.142	50.391	4.892	24.311	4.918	24.296	50.009
22	CCB	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
23	JJ4KM 2X G6K200166-5	2.0000	Unknown	n.a.	133.689	n.a.	1.301	0.261	n.a.	13.617
24	JJ4KP 1X G6K200166-6	1.0000	Unknown	n.a.	23.893	n.a.	0.339	6.011	n.a.	24.226
25	JJ4KT 1X G6K200166-7	1.0000	Unknown	0.315	9.612	n.a.	n.a.	n.a.	n.a.	1.706
26	JJ4LQ 1X G6K200172-1	1.0000	Unknown	0.232	40.524	n.a.	0.362	0.426	n.a.	9.299
27	JJ4LT 1X G6K200172-2	1.0000	Unknown	n.a.	24.197	n.a.	0.306	2.916	n.a.	74.974
28	JJ4LV 1X G6K200172-3	1.0000	Unknown	n.a.	24.378	n.a.	0.292	2.878	n.a.	74.413
29	JJ4LW 1X G6K200172-4	1.0000	Unknown	0.250	86.416	n.a.	1.110	0.766	n.a.	16.045
30	JJ4L0 1X G6K200172-5	1.0000	Unknown	0.256	12.006	n.a.	n.a.	0.374	n.a.	14.614
31	JJQF3 2X G6K150183-1 CL	2.0000	Unknown	n.a.	169.108	n.a.	0.619	1.416	n.a.	28.798
32	JJQG1 1X G6K150183-2	1.0000	Unknown	n.a.	20.354	n.a.	n.a.	1.097	n.a.	4.817
33	CCV	1.0000	Unknown	25.146	50.286	4.878	24.254	4.893	24.209	49.728
34	CCB	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
35	JJ3AX 1X G6K180206-1 CL	1.0000	Unknown	n.a.	21.978	n.a.	n.a.	4.207	n.a.	3.282
36	JJ3A0 1X G6K180206-2	1.0000	Unknown	n.a.	63.597	n.a.	n.a.	1.760	n.a.	11.037
37	JJ3A1 1X G6K180206-3	1.0000	Unknown	n.a.	63.754	n.a.	n.a.	1.804	n.a.	11.048
38	JJ3A2 1X G6K180206-4	1.0000	Unknown	n.a.	16.739	n.a.	n.a.	0.966	n.a.	3.338
39	JJ3A3 1X G6K180206-5	1.0000	Unknown	n.a.	56.286	n.a.	0.409	1.328	n.a.	10.161
40	JJ433 1X G6K200210-1	1.0000	Unknown	n.a.	54.112	n.a.	n.a.	0.889	n.a.	9.161

Method 300.0, Reporting CL, NO3, and SO4

Chromeleon © Dionex Corporation, Version 6.50 SP4 Build 1000

Title: AS14A 013004

Datasource: D4N34341_local
Location: ICS1000\SEQUENCES\2006\NOVEMBER 2006
Timebase: ICS1000
#Samples: 67Created: 11/22/2006 9:13:05 AM by ounis
Last Update: 11/27/2006 4:52:06 PM by ounis

No.	Name	Status	Program	Method
1	BLANK	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
2	1R	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
3	2R	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
4	3R	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
5	4R	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
6	5R	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
7	6R	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
8	BLANK	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
9	ICV	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
10	ICB	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
11	JJ4JT 1X G6K200163-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
12	JJ4J1 1X G6K200163-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
13	JJ4HW 1X G6K200159-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
14	JJ4H6 1X G6K200159-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
15	JJ4JL 1X G6K200159-3	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
16	JJ4JM 1X G6K200159-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
17	JJ4J9 1X G6K200166-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
18	JJ4KE 1X G6K200166-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
19	JJ4KH 1X G6K200166-3	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
20	JJ4KK 2X G6K200166-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
21	CCV	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
22	CCB	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
23	JJ4KM 2X G6K200166-5	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
24	JJ4KP 1X G6K200166-6	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
25	JJ4KT 1X G6K200166-7	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
26	JJ4LQ 1X G6K200172-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
27	JJ4LT 1X G6K200172-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
28	JJ4LV 1X G6K200172-3	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
29	JJ4LW 1X G6K200172-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
30	JJ4L0 1X G6K200172-5	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
31	JJQF3 2X G6K150183-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
32	JJQG1 1X G6K150183-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
33	CCV	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
34	CCB	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
35	JJ3AX 1X G6K180206-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
36	JJ3A0 1X G6K180206-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
37	JJ3A1 1X G6K180206-3	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
38	JJ3A2 1X G6K180206-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
39	JJ3A3 1X G6K180206-5	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
40	JJ433 1X G6K200210-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE

Sequence: 061122A
Operator: ounis

Page 3 of 6
Printed: 11/27/2006 4:52:54 PM

Title: AS14A 013004

Datasource: D4N34341_local
Location: ICS1000\SEQUENCES\2006\NOVEMBER 2006
Timebase: ICS1000
#Samples: 67

Created: 11/22/2006 9:13:05 AM by ounis
Last Update: 11/27/2006 4:52:06 PM by ounis

No.	Name	Inj. Date/Time	Inj. Vol.	Sample ID	Comment	Weight
1	BLANK	11/22/2006 3:06:35 AM	100.0	OUNI SONIA	1.0000	
2	1R	11/22/2006 3:24:05 AM	100.0	2724-WC-31-6	OUNI SONIA	1.0000
3	2R	11/22/2006 3:41:36 AM	100.0	2724-WC-31-9	OUNI SONIA	1.0000
4	3R	11/22/2006 3:59:06 AM	100.0	2724-WC-32-1	OUNI SONIA	1.0000
5	4R	11/22/2006 4:16:37 AM	100.0	2724-WC-32-4	OUNI SONIA	1.0000
6	5R	11/22/2006 4:34:08 AM	100.0	2724-WC-32-7	OUNI SONIA	1.0000
7	6R	11/22/2006 4:51:38 AM	100.0	2724-WC-32-10	OUNI SONIA	1.0000
8	BLANK	11/22/2006 9:13:57 AM	100.0	OUNI SONIA	1.0000	
9	ICV	11/22/2006 9:31:27 AM	100.0	2724-WC-12-5	OUNI SONIA	1.0000
10	ICB	11/22/2006 9:48:57 AM	100.0	OUNI SONIA	1.0000	
11	JJ4JT 1X G6K200163-1	11/22/2006 10:06:27 AM	100.0	OUNI SONIA	1.0000	
12	JJ4J1 1X G6K200163-2	11/22/2006 10:23:58 AM	100.0	OUNI SONIA	1.0000	
13	JJ4HW 1X G6K200159-1	11/22/2006 10:41:28 AM	100.0	OUNI SONIA	1.0000	
14	JJ4H6 1X G6K200159-2	11/22/2006 10:58:58 AM	100.0	OUNI SONIA	1.0000	
15	JJ4JL 1X G6K200159-3	11/22/2006 11:16:28 AM	100.0	OUNI SONIA	1.0000	
16	JJ4JM 1X G6K200159-4	11/22/2006 11:33:59 AM	100.0	OUNI SONIA	1.0000	
17	JJ4J9 1X G6K200166-1	11/22/2006 11:51:29 AM	100.0	OUNI SONIA	1.0000	
18	JJ4KE 1X G6K200166-2	11/22/2006 12:08:59 PM	100.0	OUNI SONIA	1.0000	
19	JJ4KH 1X G6K200166-3	11/22/2006 12:26:29 PM	100.0	OUNI SONIA	1.0000	
20	JJ4KK 2X G6K200166-4	11/22/2006 12:44:00 PM	100.0	OUNI SONIA	1.0000	
21	CCV	11/22/2006 1:01:30 PM	100.0	2724-WC-32-7	OUNI SONIA	1.0000
22	CCB	11/22/2006 1:19:00 PM	100.0	OUNI SONIA	1.0000	
23	JJ4KM 2X G6K200166-5	11/22/2006 1:36:30 PM	100.0	OUNI SONIA	1.0000	
24	JJ4KP 1X G6K200166-6	11/22/2006 1:54:01 PM	100.0	OUNI SONIA	1.0000	
25	JJ4KT 1X G6K200166-7	11/22/2006 2:11:31 PM	100.0	OUNI SONIA	1.0000	
26	JJ4LQ 1X G6K200172-1	11/22/2006 2:29:01 PM	100.0	OUNI SONIA	1.0000	
27	JJ4LT 1X G6K200172-2	11/22/2006 2:46:31 PM	100.0	OUNI SONIA	1.0000	
28	JJ4LV 1X G6K200172-3	11/22/2006 3:04:01 PM	100.0	OUNI SONIA	1.0000	
29	JJ4LW 1X G6K200172-4	11/22/2006 3:21:32 PM	100.0	OUNI SONIA	1.0000	
30	JJ4L0 1X G6K200172-5	11/22/2006 3:39:02 PM	100.0	OUNI SONIA	1.0000	
31	JJQF3 2X G6K150183-1	11/22/2006 3:56:32 PM	100.0	OUNI SONIA	1.0000	
32	JJQG1 1X G6K150183-2	11/22/2006 4:14:03 PM	100.0	OUNI SONIA	1.0000	
33	CCV	11/22/2006 4:31:33 PM	100.0	2724-WC-32-7	OUNI SONIA	1.0000
34	CCB	11/22/2006 4:49:03 PM	100.0	OUNI SONIA	1.0000	
35	JJ3AX 1X G6K180206-1	11/22/2006 5:06:33 PM	100.0	2724-WC-32-10	OUNI SONIA	1.0000
36	JJ3A0 1X G6K180206-2	11/22/2006 5:24:03 PM	100.0	OUNI SONIA	1.0000	
37	JJ3A1 1X G6K180206-3	11/22/2006 5:41:34 PM	100.0	OUNI SONIA	1.0000	
38	JJ3A2 1X G6K180206-4	11/22/2006 5:59:04 PM	100.0	OUNI SONIA	1.0000	
39	JJ3A3 1X G6K180206-5	11/22/2006 6:16:35 PM	100.0	OUNI SONIA	1.0000	
40	JJ433 1X G6K200210-1	11/22/2006 6:34:05 PM	100.0	OUNI SONIA	1.0000	

Title: AS14A 013004

Datasource: D4N34341_local

Location: ICS1000\SEQUENCES\2006\NOVEMBER 2006

Timebase: ICS1000

#Samples: 67

Created:

11/22/2006 9:13:05 AM by ounis

Last Update:

11/27/2006 4:52:06 PM by ounis

No.	Name	Dil. Factor	Type	F [ppm] Fluoride	CL [ppm] Chloride	NO2 [ppm] Nitrite	Br [ppm] Bromide	NO3 [ppm] Nitrate	PO4 [ppm] Phosphate	SO4 [ppm] Sulfate
41	JJ434 1X G6K200210-2 C	1.0000	Unknown	n.a.	41.872	n.a.	n.a.	1.340	n.a.	15.701
42	JJ435 1X G6K200210-3	1.0000	Unknown	n.a.	91.350	n.a.	n.a.	2.647	n.a.	14.890
43	JJ436 5X G6K200210-4	5.0000	Unknown	n.a.	209.148	n.a.	n.a.	2.785	n.a.	56.878
44	JJ437 1X G6K200210-5	1.0000	Unknown	n.a.	70.521	n.a.	n.a.	2.501	n.a.	14.120
45	CCV	1.0000	Unknown	25.117	50.354	4.903	24.265	4.874	24.125	49.335
46	CCB	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
47	JJ4KK S 2X G6K200166-4 H ^b	2.0000	Unknown	9.080	152.457	1.418	10.617	2.133	8.922	33.138
48	JJ4KK D 2X G6K200166-4	2.0000	Unknown	9.304	152.477	1.433	10.614	2.137	8.933	33.632
49	JJ437 S 1X G6K200210-5 C ^a	1.0000	Unknown	n.a.	81.222	n.a.	n.a.	2.564	n.a.	14.149
50	JJ437 D 1X G6K200210-5	1.0000	Unknown	n.a.	79.598	n.a.	0.279	2.507	n.a.	14.056
51	DU-IVC	1.0000	Unknown	30.094	78.746	n.a.	29.940	7.600	29.537	75.479
52	JJACE 1X G6K090141-1 S ^c	1.0000	Unknown	n.a.	0.230	n.a.	n.a.	0.685	0.451	2.291
53	JJACG 1X G6K090141-2	1.0000	Unknown	n.a.	0.224	n.a.	n.a.	0.671	0.446	2.412
54	JJACH 1X G6K090141-3	1.0000	Unknown	n.a.	0.216	n.a.	n.a.	0.717	0.419	2.396
55	JJACJ 1X G6K090141-4	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	0.435	0.227
56	JJACK 1X G6K090141-5	1.0000	Unknown	0.208	0.951	n.a.	n.a.	0.944	0.640	3.676
57	CCV	1.0000	Unknown	23.606	50.322	4.894	24.426	4.923	24.128	49.976
58	CCB	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	0.200
59	JJMHA 1X G6K140165-1 S ^c	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	0.219	0.455	1.163
60	JJMHE 1X G6K140165-2	1.0000	Unknown	n.a.	0.194	n.a.	n.a.	0.244	0.423	1.448
61	JJMHF 1X G6K140165-3	1.0000	Unknown	n.a.	0.305	n.a.	n.a.	0.201	0.325	1.427
62	MB	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	0.355	1.178
63	LCS	1.0000	Unknown	5.111	9.662	0.963	4.743	0.957	4.785	10.084
64	DCS	1.0000	Unknown	4.754	9.702	0.978	4.740	0.948	4.788	10.126
65	CCV	1.0000	Unknown	25.098	50.441	4.901	24.409	4.874	24.028	49.989
66	CCB	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
67	SHUTDOWN	1.0000	Unknown	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
	Sum			308.368	2631.134	55.150	312.235	153.096	304.074	1311.684

Sequence: 061122A
Operator: ounis

Page 5 of 6
Printed: 11/27/2006 4:52:54 PM

Title: AS14A 013004

Datasource: D4N34341_local

Location: ICS1000\SEQUENCES\2006\NOVEMBER 2006

Timebase: ICS1000

#Samples: 67

Created: 11/22/2006 9:13:05 AM by ounis
Last Update: 11/27/2006 4:52:06 PM by ounis

No.	Name	Status	Program	Method
41	JJ434 1X G6K200210-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
42	JJ435 1X G6K200210-3	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
43	JJ436 5X G6K200210-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
44	JJ437 1X G6K200210-5	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
45	CCV	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
46	CCB	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
47	JJ4KK S 2X G6K200166-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
48	JJ4KK D 2X G6K200166-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
49	JJ437 S 1X G6K200210-5	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
50	JJ437 D 1X G6K200210-5	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
51	DU-IVC	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
52	JJACE 1X G6K090141-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
53	JJACG 1X G6K090141-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
54	JJACH 1X G6K090141-3	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
55	JJACJ 1X G6K090141-4	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
56	JJACK 1X G6K090141-5	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
57	CCV	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
58	CCB	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
59	JJMHA 1X G6K140165-1	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
60	JJMHE 1X G6K140165-2	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
61	JJMHF 1X G6K140165-3	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
62	MB	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
63	LCS	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
64	DCS	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
65	CCV	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
66	CCB	Finished	AS14A PROGRAM	AS14A METHODHIGH 8PTCURVE
67	SHUTDOWN	Finished	ICS1000 SHUTDOWN PROGRAM	AS14A METHODHIGH 8PTCURVE
Sum				

Sequence: 061122A
Operator: ounis

Page 6 of 6
Printed: 11/27/2006 4:52:54 PM

Title: AS14A 013004

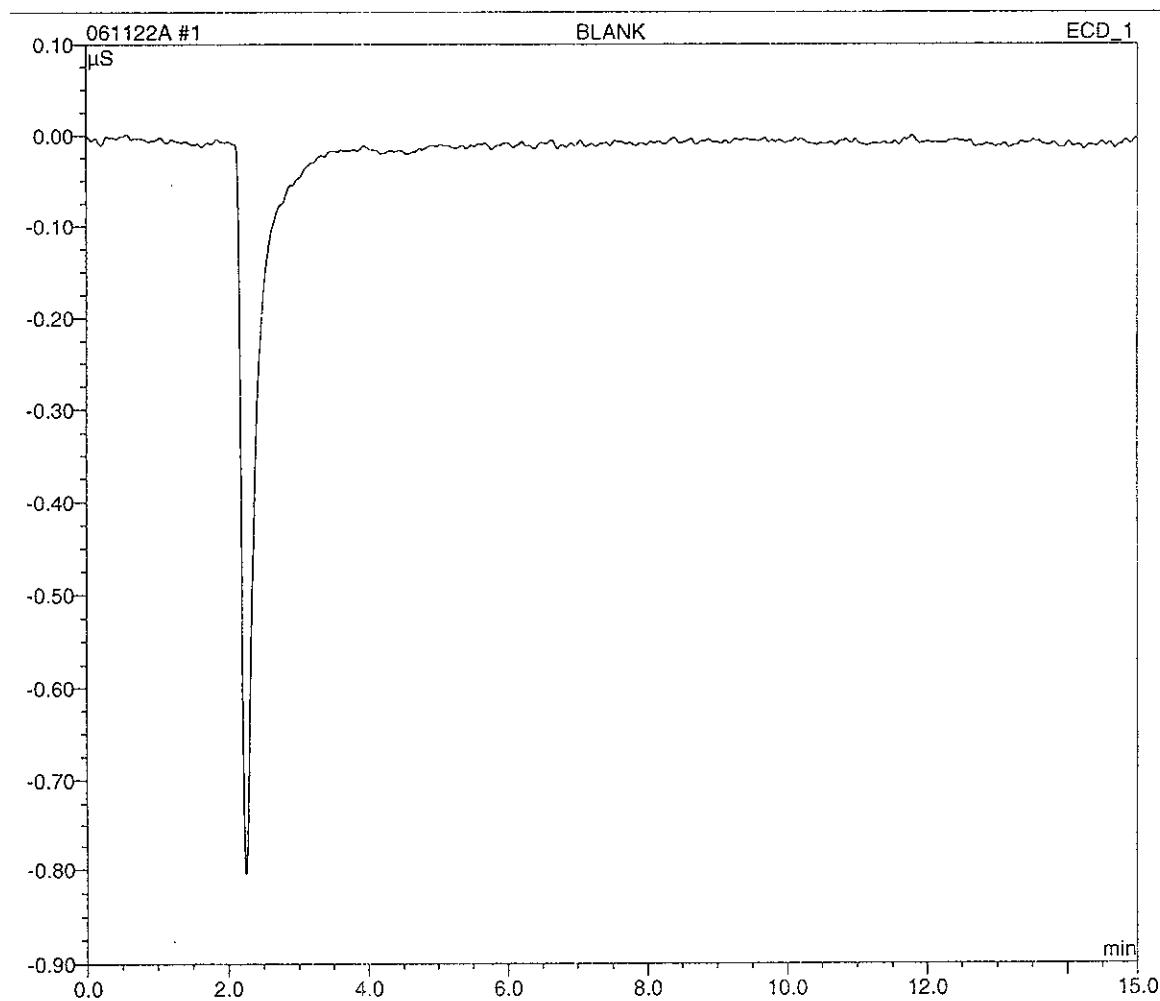
Datasource: D4N34341_local
Location: ICS1000\SEQUENCES\2006\NOVEMBER 2006
Timebase: ICS1000
#Samples: 67

Created: 11/22/2006 9:13:05 AM by ounis
Last Update: 11/27/2006 4:52:06 PM by ounis

No.	Name	Inj. Date/Time	Inj. Vol.	Sample ID	Comment	Weight
41	JJ434 1X G6K200210-2	11/22/2006 6:51:35 PM	100.0	OUNI SONIA	1.0000	
42	JJ435 1X G6K200210-3	11/22/2006 7:09:05 PM	100.0	OUNI SONIA	1.0000	
43	JJ436 5X G6K200210-4	11/22/2006 7:26:36 PM	100.0	OUNI SONIA	1.0000	
44	JJ437 1X G6K200210-5	11/22/2006 7:44:06 PM	100.0	OUNI SONIA	1.0000	
45	CCV	11/22/2006 8:01:36 PM	100.0	2724-WC-32-7	OUNI SONIA	1.0000
46	CCB	11/22/2006 8:19:06 PM	100.0	OUNI SONIA	1.0000	
47	JJ4KK S 2X G6K200166-4	11/22/2006 8:36:36 PM	100.0	2724-WC-32-10	OUNI SONIA	1.0000
48	JJ4KK D 2X G6K200166-4	11/22/2006 8:54:07 PM	100.0	2724-WC-32-10	OUNI SONIA	1.0000
49	JJ437 S 1X G6K200210-5	11/22/2006 9:11:37 PM	100.0	2627-WC-34-5	OUNI SONIA	1.0000
50	JJ437 D 1X G6K200210-5	11/22/2006 9:29:07 PM	100.0	2627-WC-34-5	OUNI SONIA	1.0000
51	DU-IVC	11/22/2006 9:46:37 PM	100.0	2724-WC-12-5	OUNI SONIA	1.0000
52	JJACE 1X G6K090141-1	11/22/2006 10:04:08 PM	100.0	OUNI SONIA	1.0000	
53	JJACG 1X G6K090141-2	11/22/2006 10:21:38 PM	100.0	OUNI SONIA	1.0000	
54	JJACH 1X G6K090141-3	11/22/2006 10:39:08 PM	100.0	OUNI SONIA	1.0000	
55	JJACJ 1X G6K090141-4	11/22/2006 10:56:39 PM	100.0	OUNI SONIA	1.0000	
56	JJACK 1X G6K090141-5	11/22/2006 11:14:09 PM	100.0	OUNI SONIA	1.0000	
57	CCV	11/22/2006 11:31:39 PM	100.0	2724-WC-32-7	OUNI SONIA	1.0000
58	CCB	11/22/2006 11:49:09 PM	100.0	OUNI SONIA	1.0000	
59	JJMHA 1X G6K140165-1	11/23/2006 12:06:40 AM	100.0	OUNI SONIA	1.0000	
60	JJMHE 1X G6K140165-2	11/23/2006 12:24:10 AM	100.0	OUNI SONIA	1.0000	
61	JJMHF 1X G6K140165-3	11/23/2006 12:41:41 AM	100.0	OUNI SONIA	1.0000	
62	MB	11/23/2006 12:59:11 AM	100.0	OUNI SONIA	1.0000	
63	LCS	11/23/2006 1:16:41 AM	100.0	2724-WC-32-10	OUNI SONIA	1.0000
64	DCS	11/23/2006 1:34:12 AM	100.0	2724-WC-32-10	OUNI SONIA	1.0000
65	CCV	11/23/2006 1:51:42 AM	100.0	2724-WC-32-7	OUNI SONIA	1.0000
66	CCB	11/23/2006 2:09:13 AM	100.0	2724-WC-32-7	OUNI SONIA	1.0000
67	SHUTDOWN	11/23/2006 2:26:43 AM	100.0	OUNI SONIA	1.0000	
	Sum					

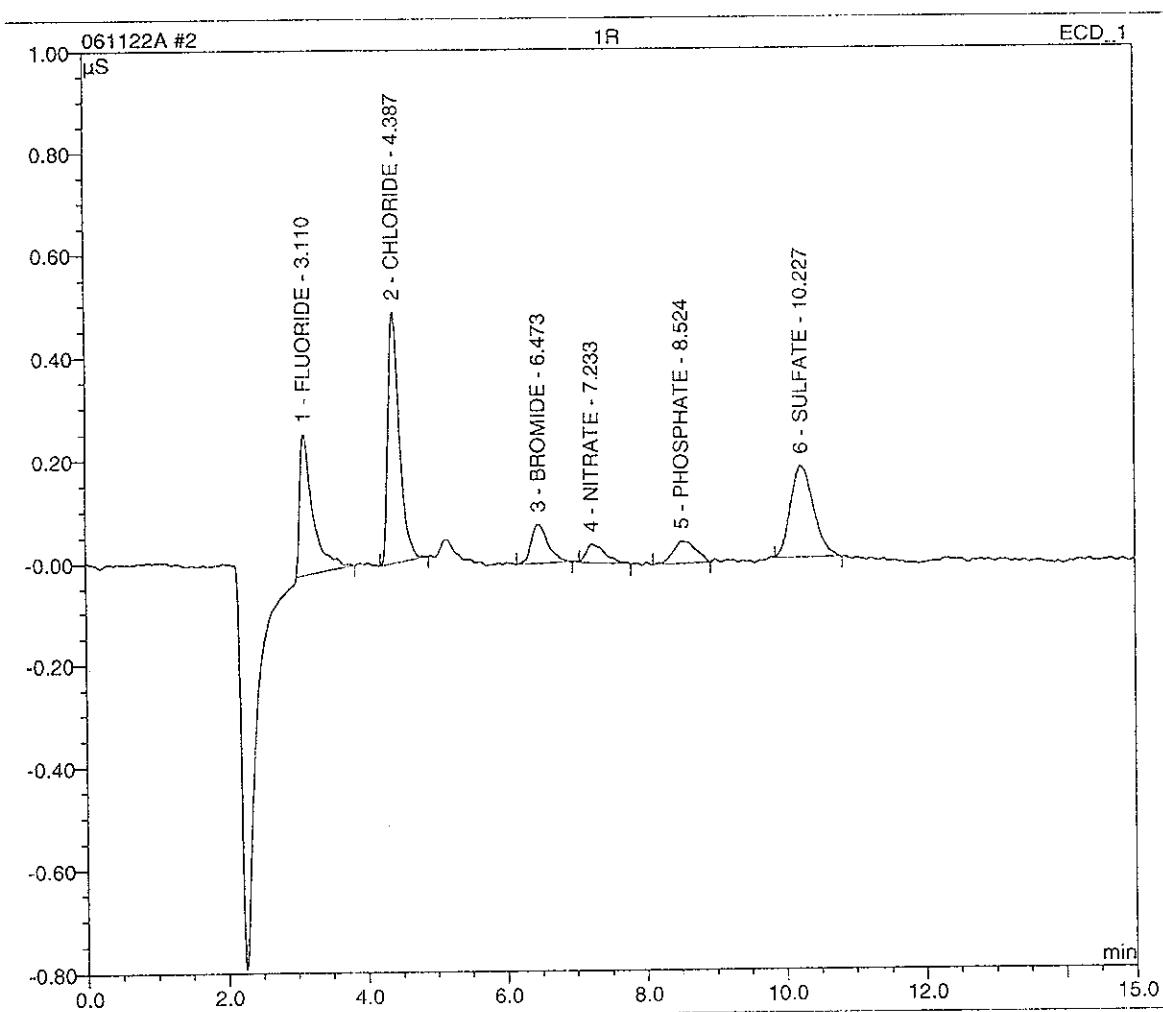
Sample Name:	BLANK	Inj. Vol.:	100.0
Sample Type:	standard	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 03:06	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
		TOTAL:		0.00	0.00	0.00



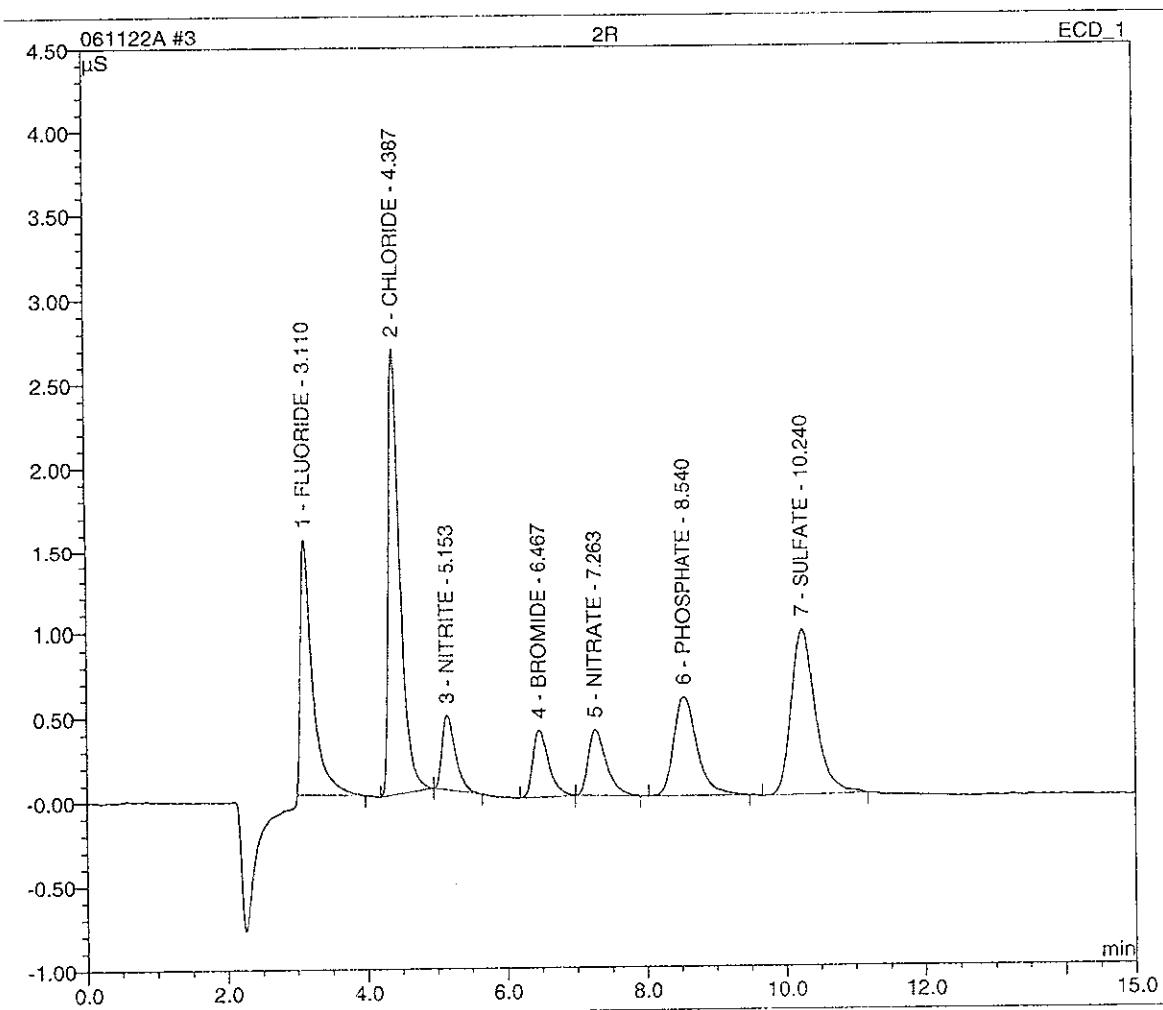
Sample Name:	1R	Inj. Vol.:	100.0
Sample Type:	standard	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 03:24	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	0.060	0.273	0.5101
2	4.39	CHLORIDE	BMB	0.092	0.487	0.9543
3	6.47	BROMIDE	BMB	0.021	0.076	0.5245
4	7.23	NITRATE	BMB	0.011	0.036	0.0549
5	8.52	PHOSPHATE	BMB	0.016	0.043	0.2331
6	10.23	SULFATE	BMB	0.067	0.177	0.9164
TOTAL:				0.27	1.09	3.19



Sample Name:	2R	Inj. Vol.:	100.0
Sample Type:	standard	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 03:41	Run Time:	15.00

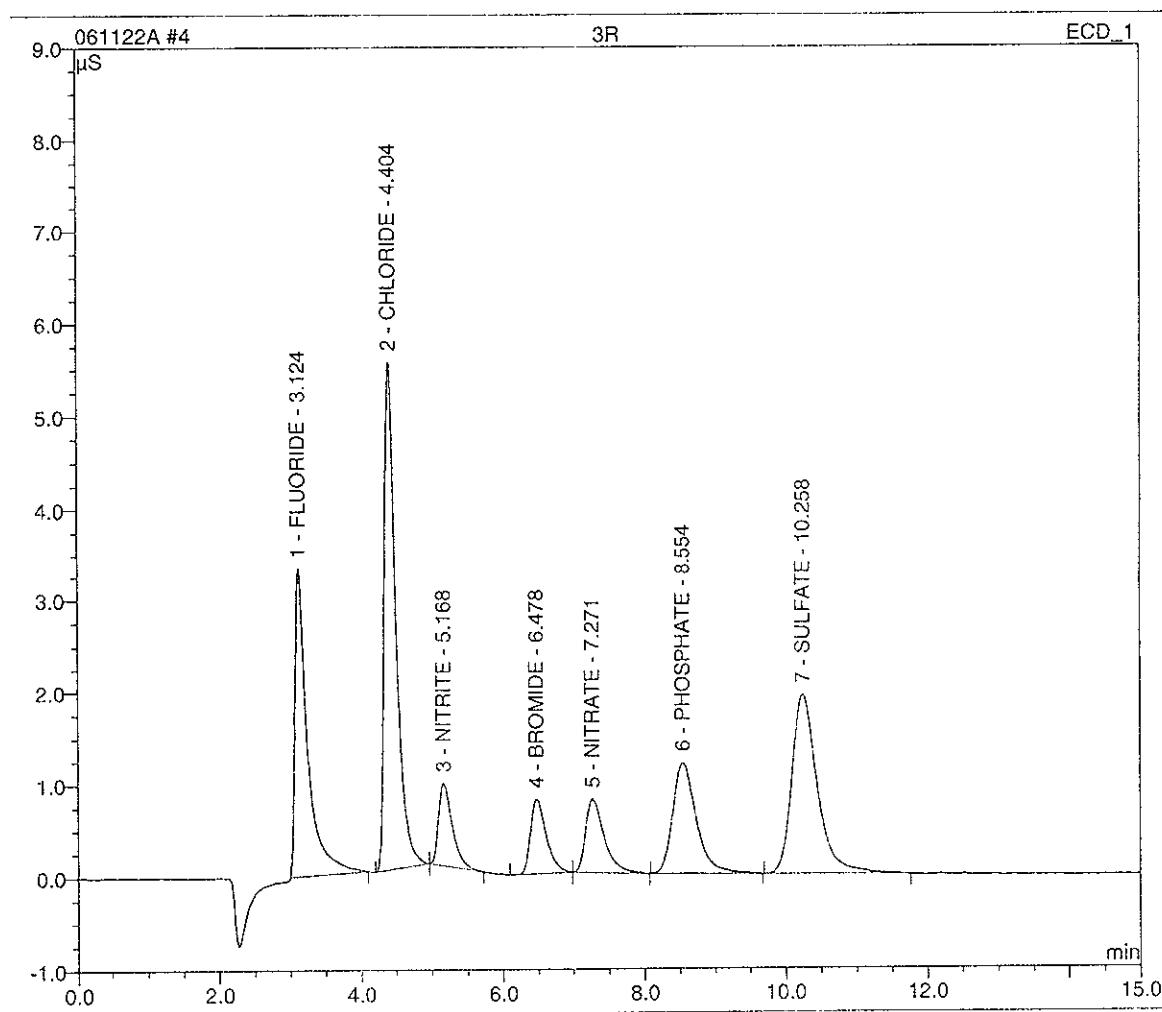
No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	0.307	1.531	2.3375
2	4.39	CHLORIDE	BMB	0.514	2.667	4.8985
3	5.15	NITRITE	bMB	0.098	0.439	0.5038
4	6.47	BROMIDE	BMB	0.106	0.398	2.4415
5	7.26	NITRATE	BMB	0.119	0.391	0.4796
6	8.54	PHOSPHATE	BMB	0.228	0.585	2.2886
7	10.24	SULFATE	BMB	0.398	0.973	5.0695
TOTAL:				1.77	6.99	18.02



Sample Name: 3R
Sample Type: standard
Program: AS14A PROGRAM
Init. Date/Time: 22.11.06 03:59

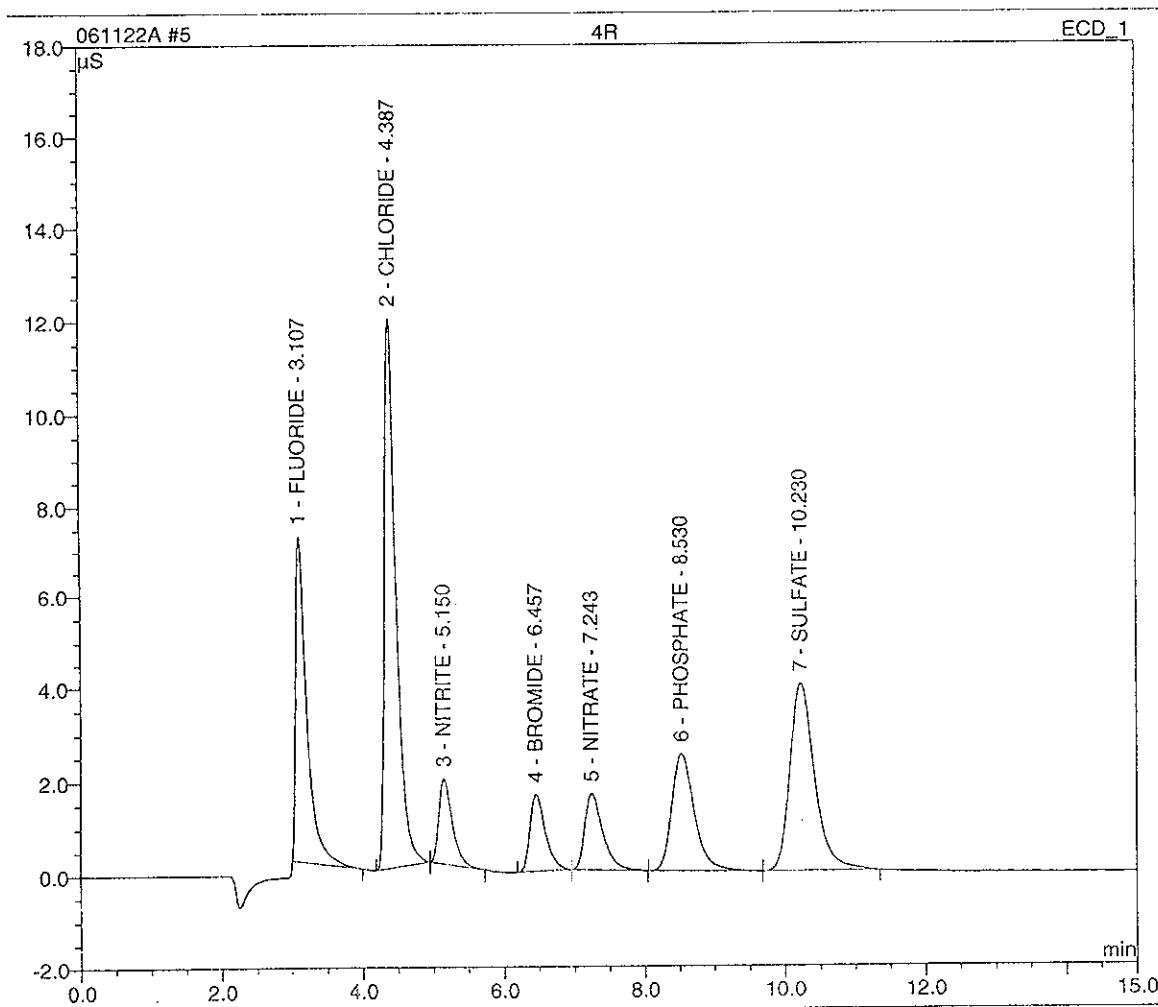
Inj. Vol.: 100.0
Dilution Factor: 1.0000
*Operator:*ounis
Run Time: 15.00

No.	Time min	Peak Name	Type	Area μS/min	Height μS	Amount ppm
1	3.12	FLUORIDE	BMB	0.690	3.344	5.1624
2	4.40	CHLORIDE	BMb	1.048	5.499	9.7569
3	5.17	NITRITE	bMB	0.199	0.889	0.9831
4	6.48	BROMIDE	BMb	0.209	0.801	4.7912
5	7.27	NITRATE	bMB	0.243	0.792	0.9658
6	8.55	PHOSPHATE	BMB	0.463	1.199	4.5713
7	10.26	SULFATE	BMB	0.807	1.934	10.1131
TOTAL:				3.66	14.46	36.34



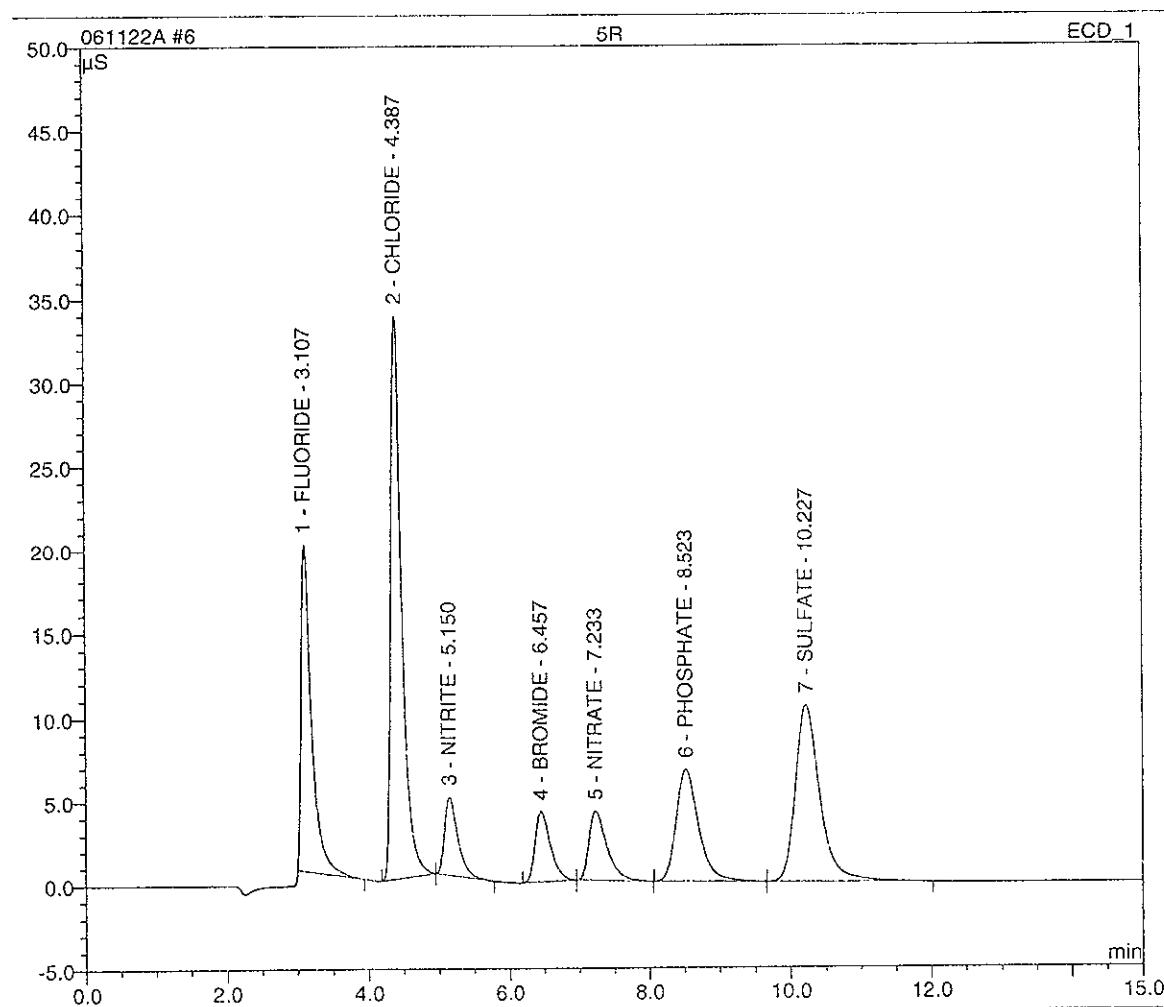
Sample Name:	4R	Inj. Vol.:	100.0
Sample Type:	standard	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 04:16	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	1.271	7.046	9.4539
2	4.39	CHLORIDE	BMb	2.230	11.898	20.0617
3	5.15	NITRITE	bMB	0.401	1.810	1.9466
4	6.46	BROMIDE	BMb	0.426	1.644	9.7031
5	7.24	NITRATE	bMB	0.489	1.627	1.9353
6	8.53	PHOSPHATE	BMB	0.943	2.498	9.2372
7	10.23	SULFATE	BMB	1.621	3.988	19.9409
TOTAL:				7.38	30.51	72.28



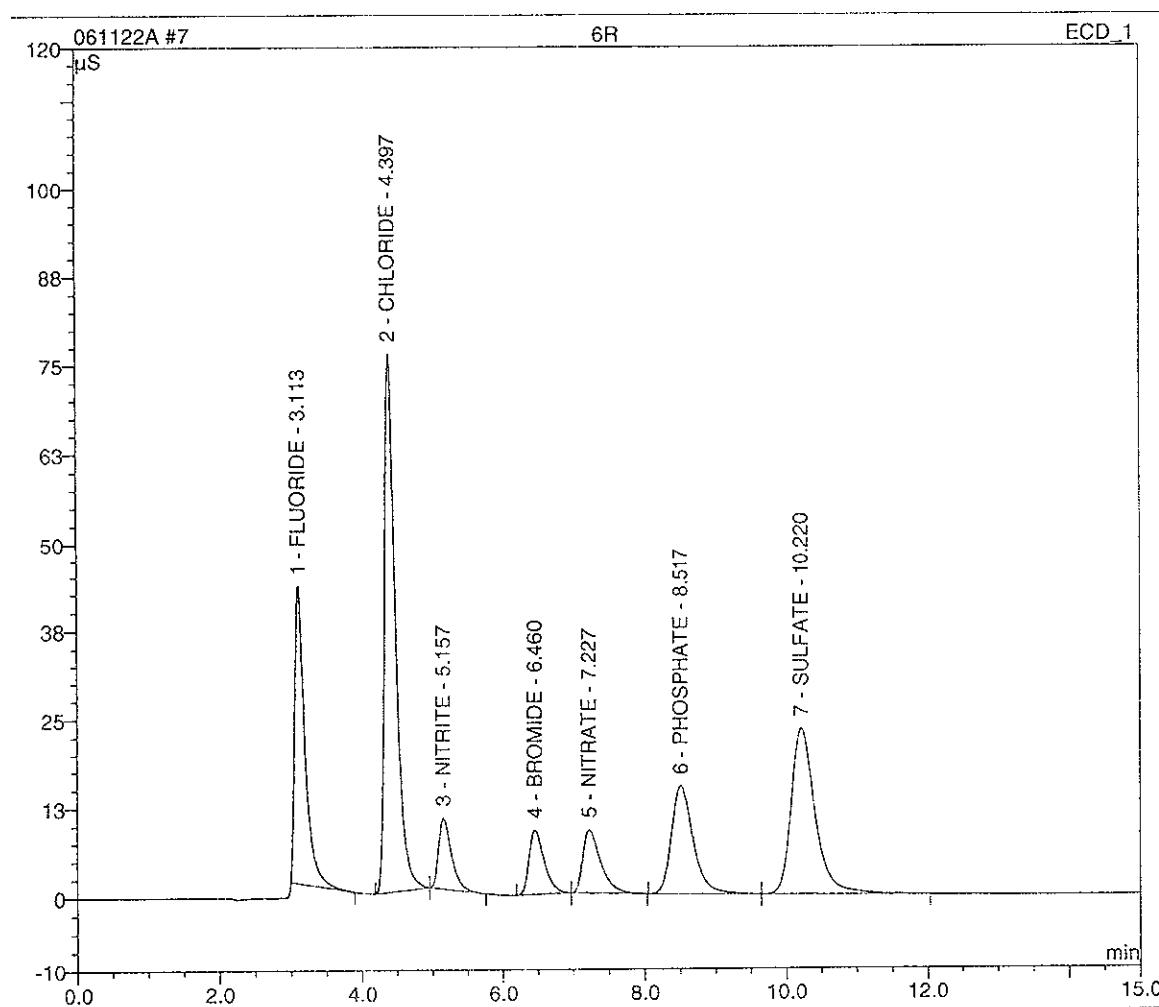
Sample Name:	5R	Inj. Vol.:	100.0
Sample Type:	standard	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 04:34	Run Time:	15.00

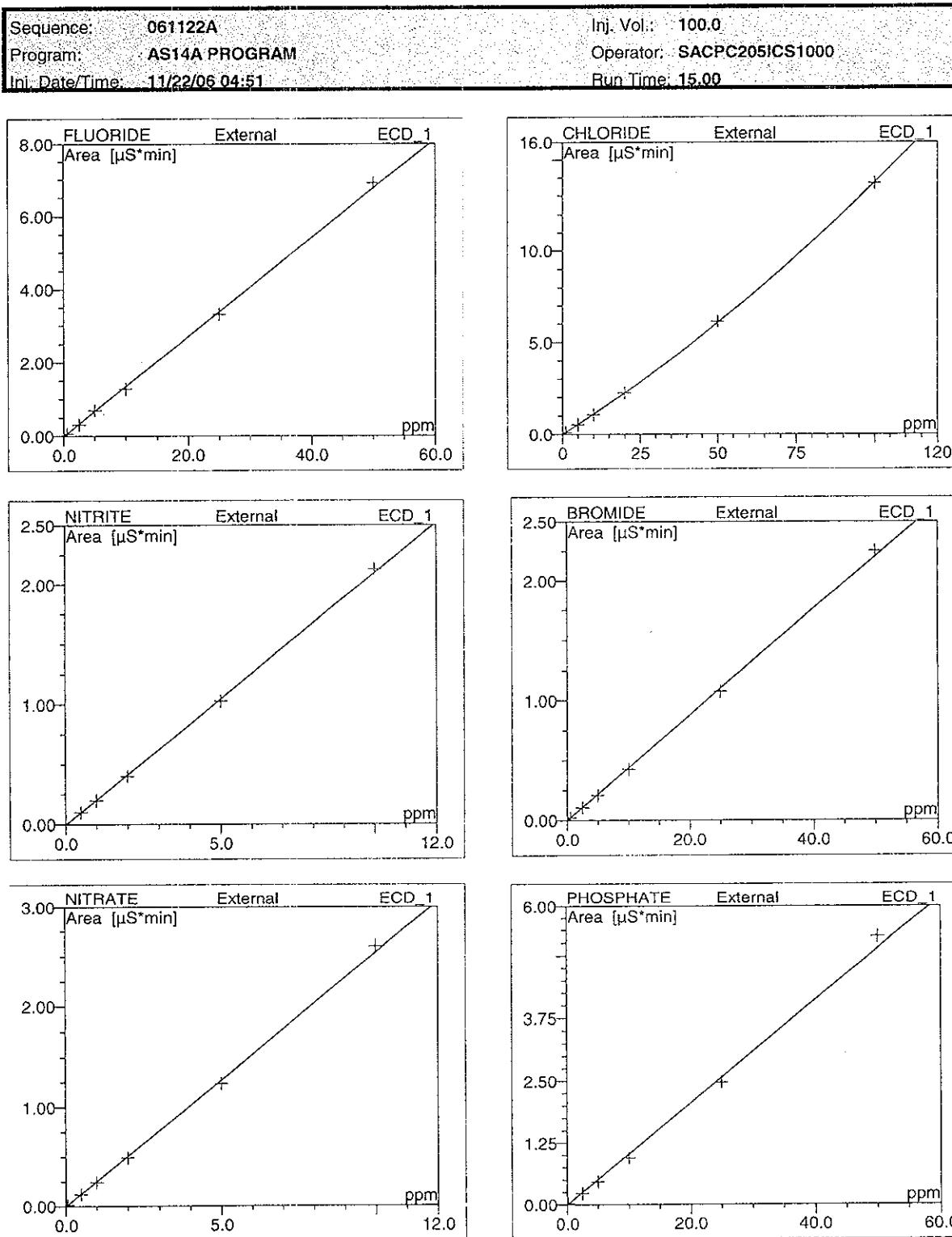
No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	3.309	19.518	24.5075
2	4.39	CHLORIDE	BMb	6.119	33.639	50.4914
3	5.15	NITRITE	bMB	1.024	4.678	4.9092
4	6.46	BROMIDE	BMb	1.073	4.214	24.3932
5	7.23	NITRATE	bMB	1.234	4.145	4.8701
6	8.52	PHOSPHATE	BMB	2.466	6.699	24.0482
7	10.23	SULFATE	BMB	4.265	10.532	49.9333
TOTAL:				19.49	83.43	183.15



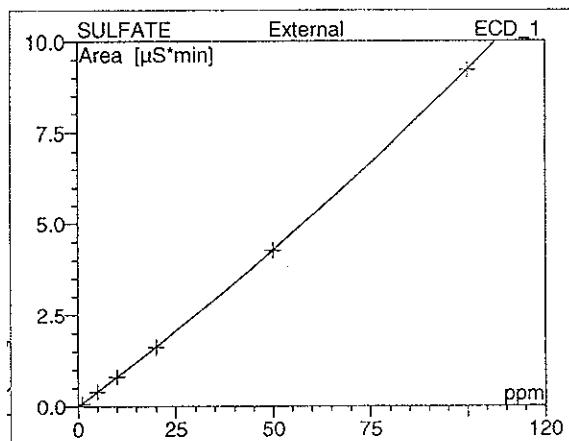
Sample Name:	6R	Inj. Vol.:	100.0
Sample Type:	standard	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 04:51	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	6.899	41.803	51.0287
2	4.40	CHLORIDE	BMb	13.691	75.915	99.8116
3	5.16	NITRITE	bMB	2.128	9.919	10.1572
4	6.46	BROMIDE	BMb	2.252	9.043	51.1464
5	7.23	NITRATE	bMB	2.600	8.881	10.2443
6	8.52	PHOSPHATE	BMB	5.374	15.086	52.3217
7	10.22	SULFATE	BMB	9.211	23.309	100.0278
TOTAL:				42.16	183.96	374.74



Calibration Batch Report

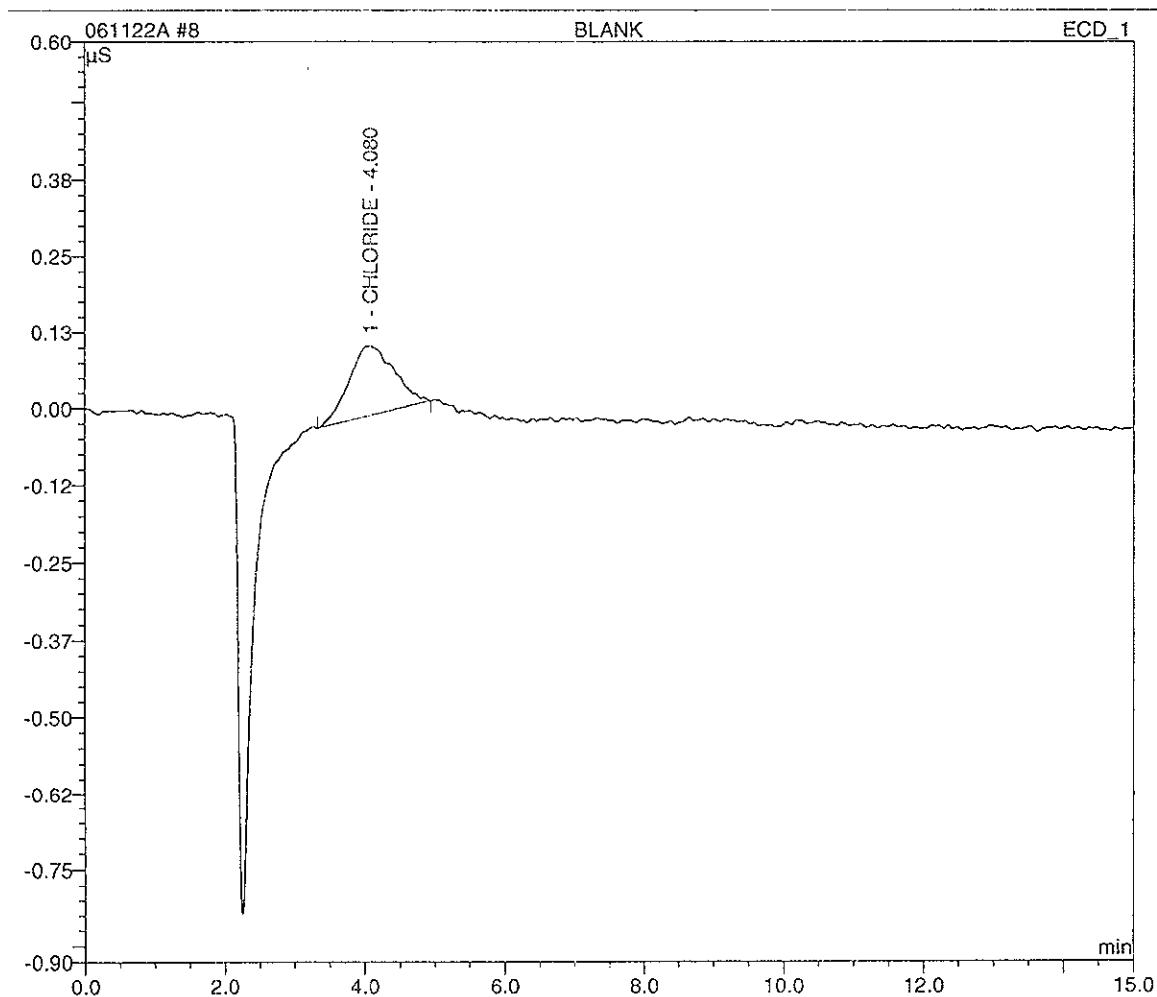
Sequence:	061122A	Inj. Vol.:	100.0
Program:	AS14A PROGRAM	Operator:	n.a.
Inj. Date/Time:	11/22/06 04:51	Run Time:	15.00



No.	Ret.Time min	Peak Name	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Corr.Coeff. %
1	3.11	FLUORIDE	X0LOff	6	-0.009	0.135	0.000	99.953
2	4.40	CHLORIDE	X0QOff	6	-0.008	0.105	0.000	99.681
3	5.16	NITRITE	X0LOff	5	-0.008	0.210	0.000	99.978
4	6.46	BROMIDE	X0LOff	6	-0.002	0.044	0.000	99.962
5	7.23	NITRATE	X0LOff	6	-0.003	0.254	0.000	99.959
6	8.52	PHOSPHATE	X0LOff	6	-0.007	0.103	0.000	99.849
7	10.22	SULFATE	X0QOff	6	-0.005	0.079	0.000	99.888
AVERAGE:					-0.0061	0.1329	0.0001	99.8958

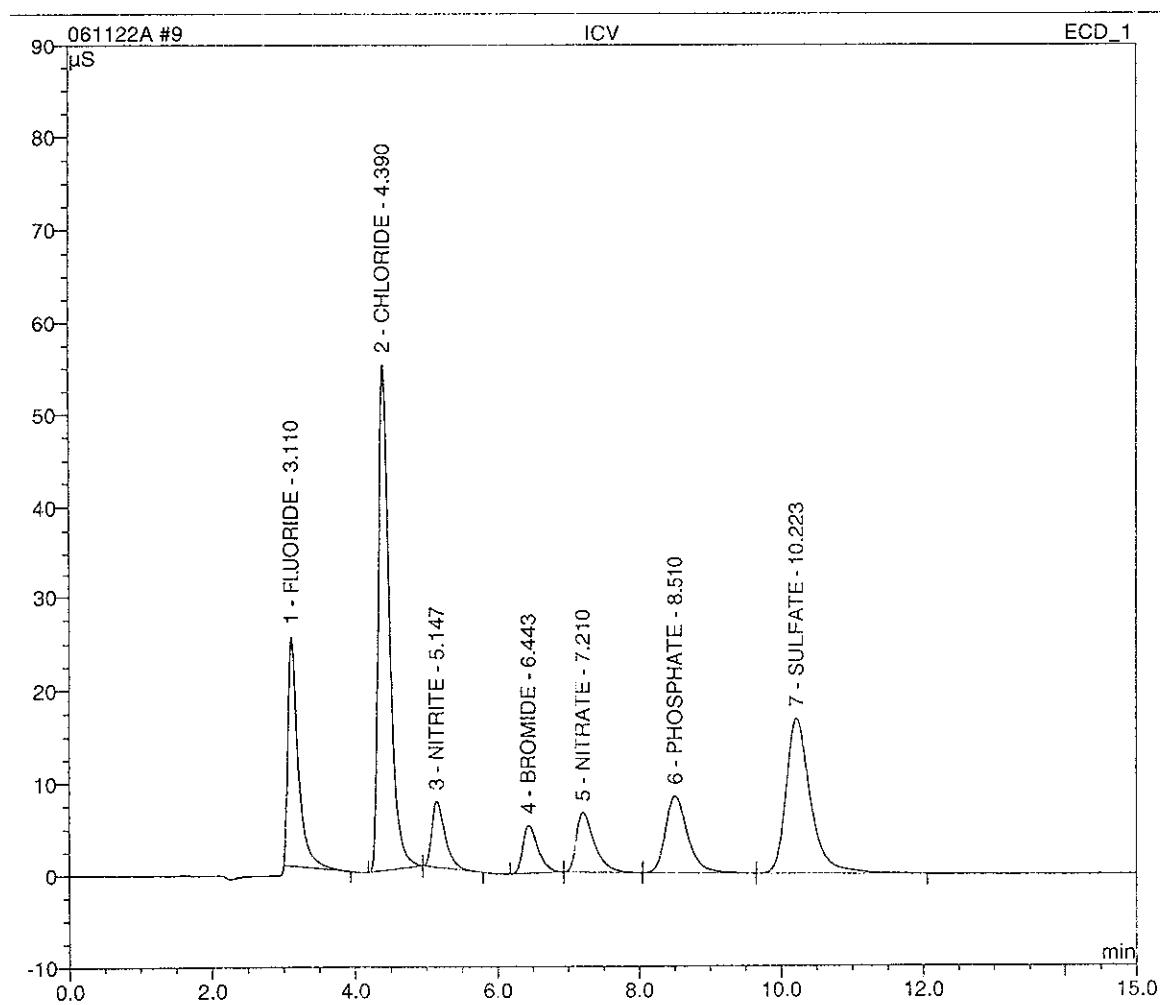
Sample Name:	BLANK	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 09:13	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S}^{\cdot}\text{min}$	Height μS	Amount ppm
1	4.08	CHLORIDE	BMB	0.085	0.114	0.8883
TOTAL:				0.09	0.11	0.89



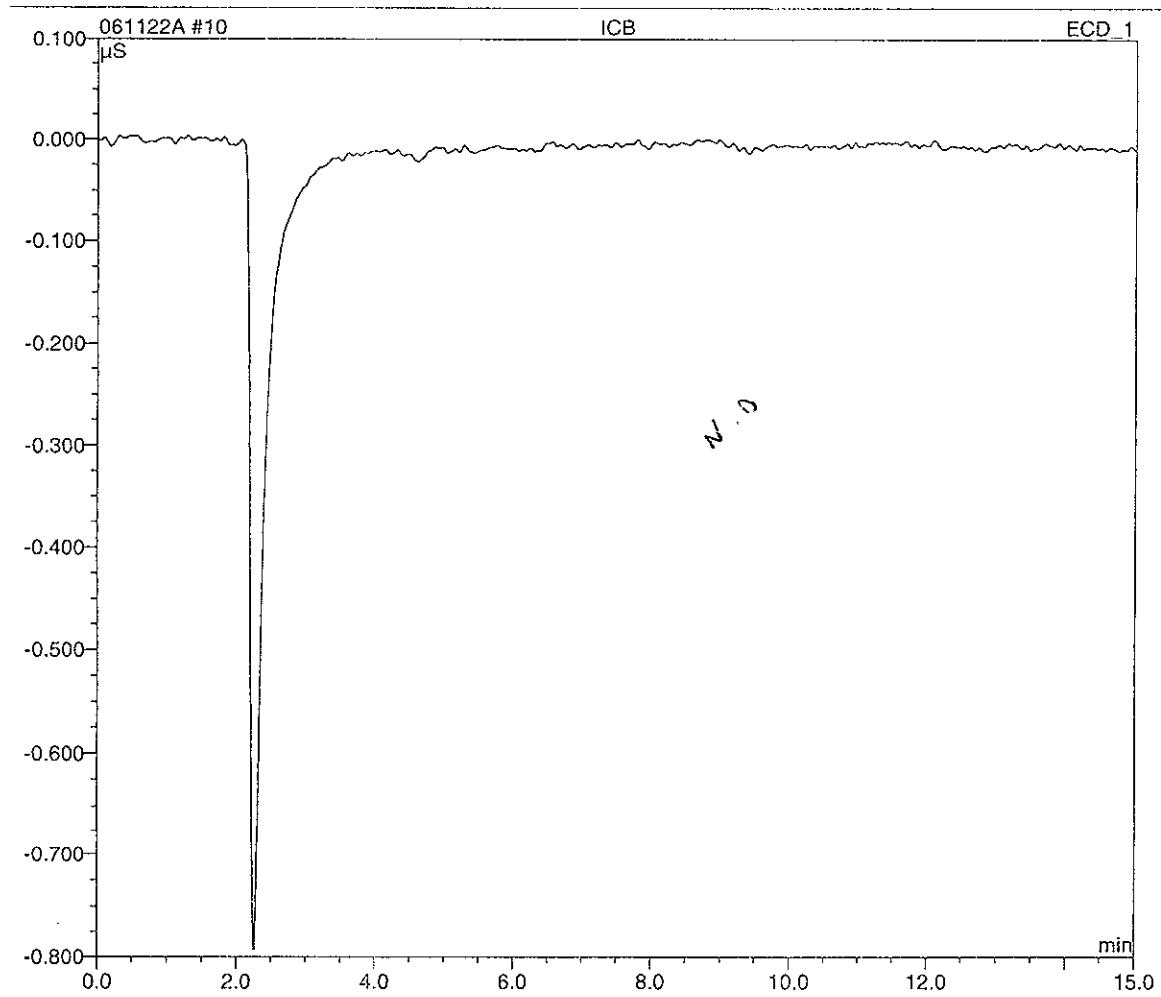
Sample Name:	ICV	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 09:31	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	%, Amount ppm
1	3.11	FLUORIDE	BMB	4.167	24.739	30.8437
2	4.39	CHLORIDE	BMb	9.874	54.894	76.2255
3	5.15	NITRITE	bMB	1.546	7.156	7.3908
4	6.44	BROMIDE	BMb	1.309	5.209	29.7515
5	7.21	NITRATE	bMB	1.914	6.480	7.5473
6	8.51	PHOSPHATE	BMB	3.026	8.347	29.4951
7	10.22	SULFATE	BMB	6.706	16.742	75.4943
TOTAL:				28.54	123.57	256.75



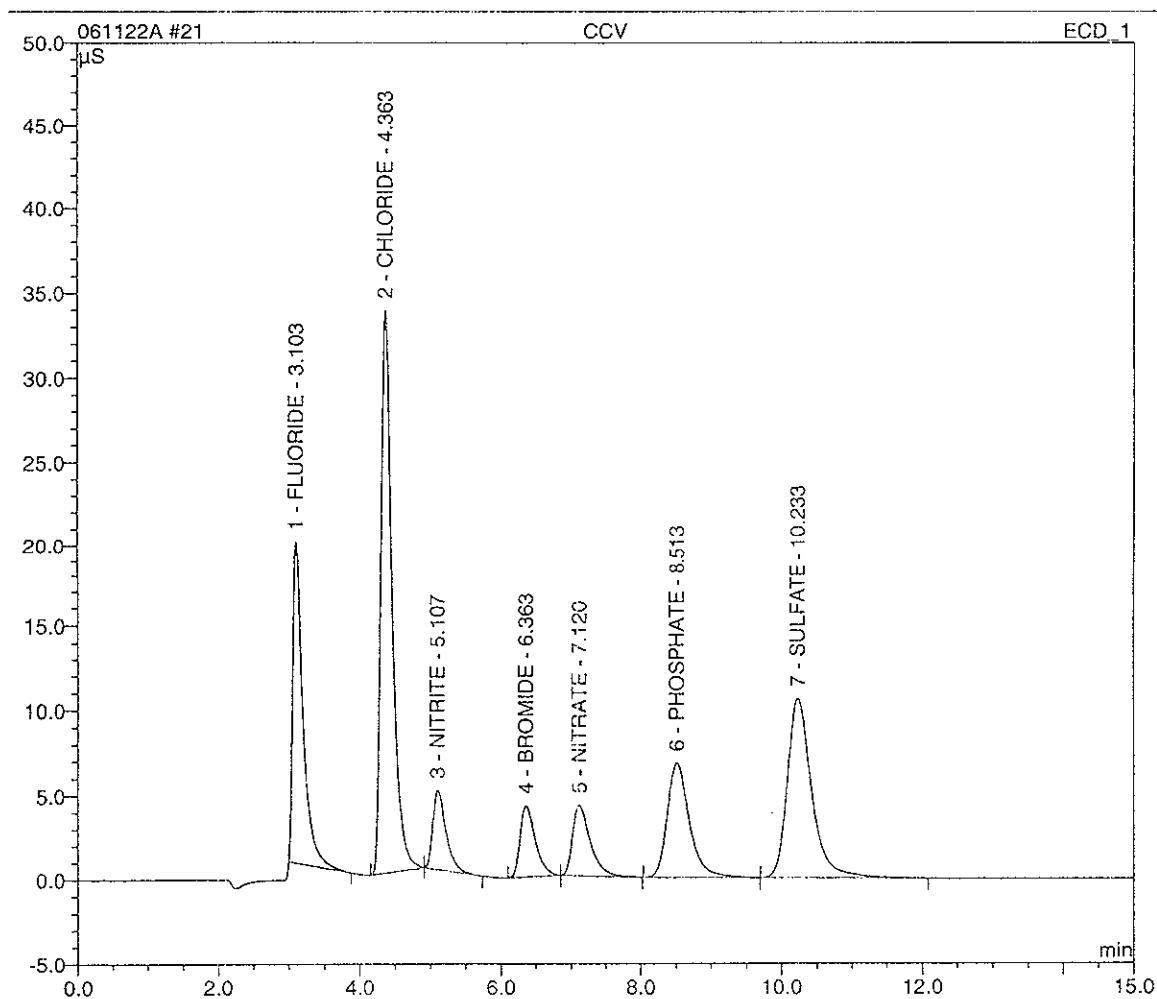
Sample Name:	ICB	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 09:48	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
		TOTAL:		0.00	0.00	0.00



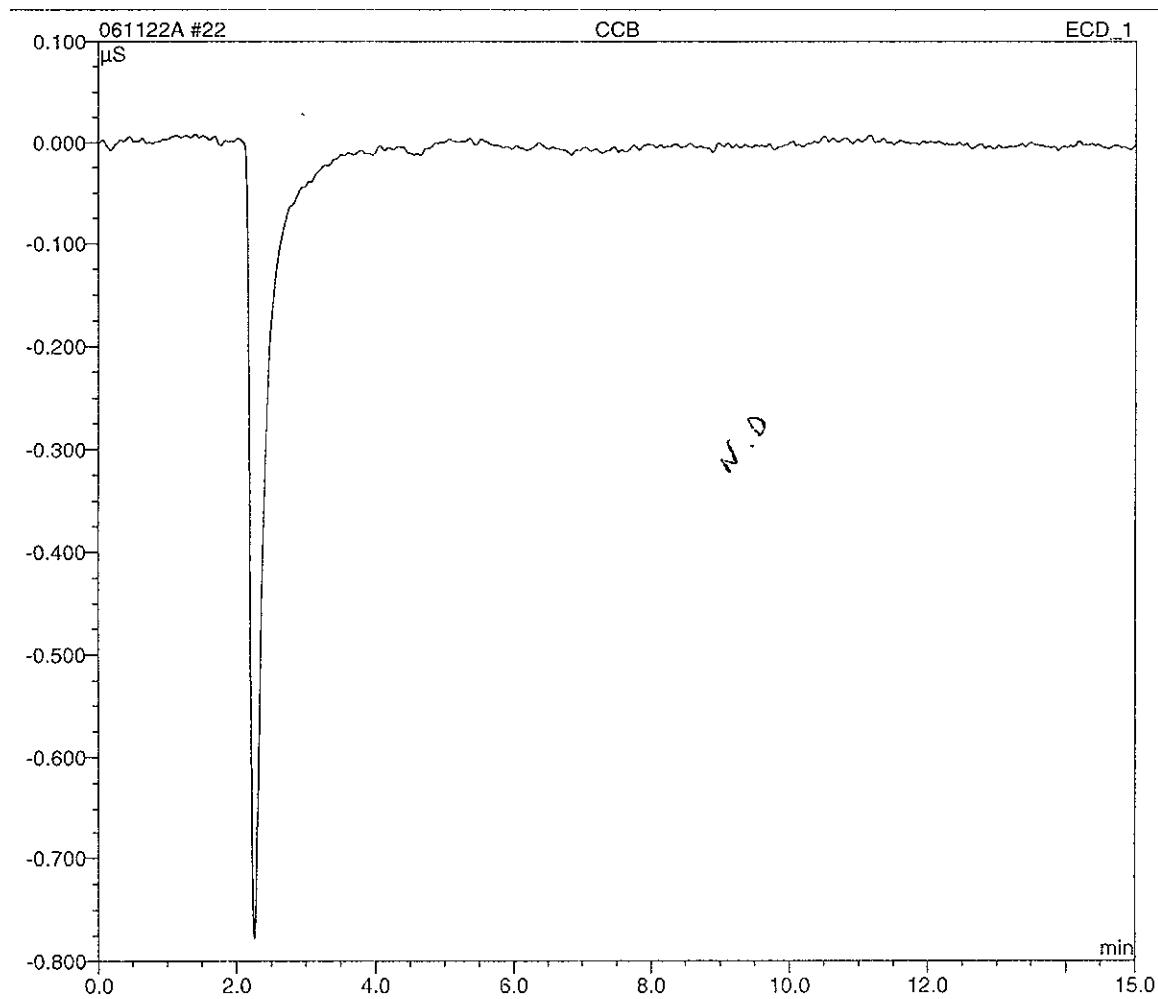
Sample Name:	CCV	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 13:01	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	%. Amount ppm
1	3.10	FLUORIDE	BMB	3.259	19.273	24.1422
2	4.36	CHLORIDE	BMb	6.106	33.601	50.3914
3	5.11	NITRITE	bMB	1.021	4.709	4.8917
4	6.36	BROMIDE	BMb	1.069	4.258	24.3106
5	7.12	NITRATE	bMB	1.247	4.222	4.9179
6	8.51	PHOSPHATE	BMB	2.491	6.797	24.2961
7	10.23	SULFATE	BMB	4.272	10.585	50.0085
TOTAL:				19.46	83.45	182.96



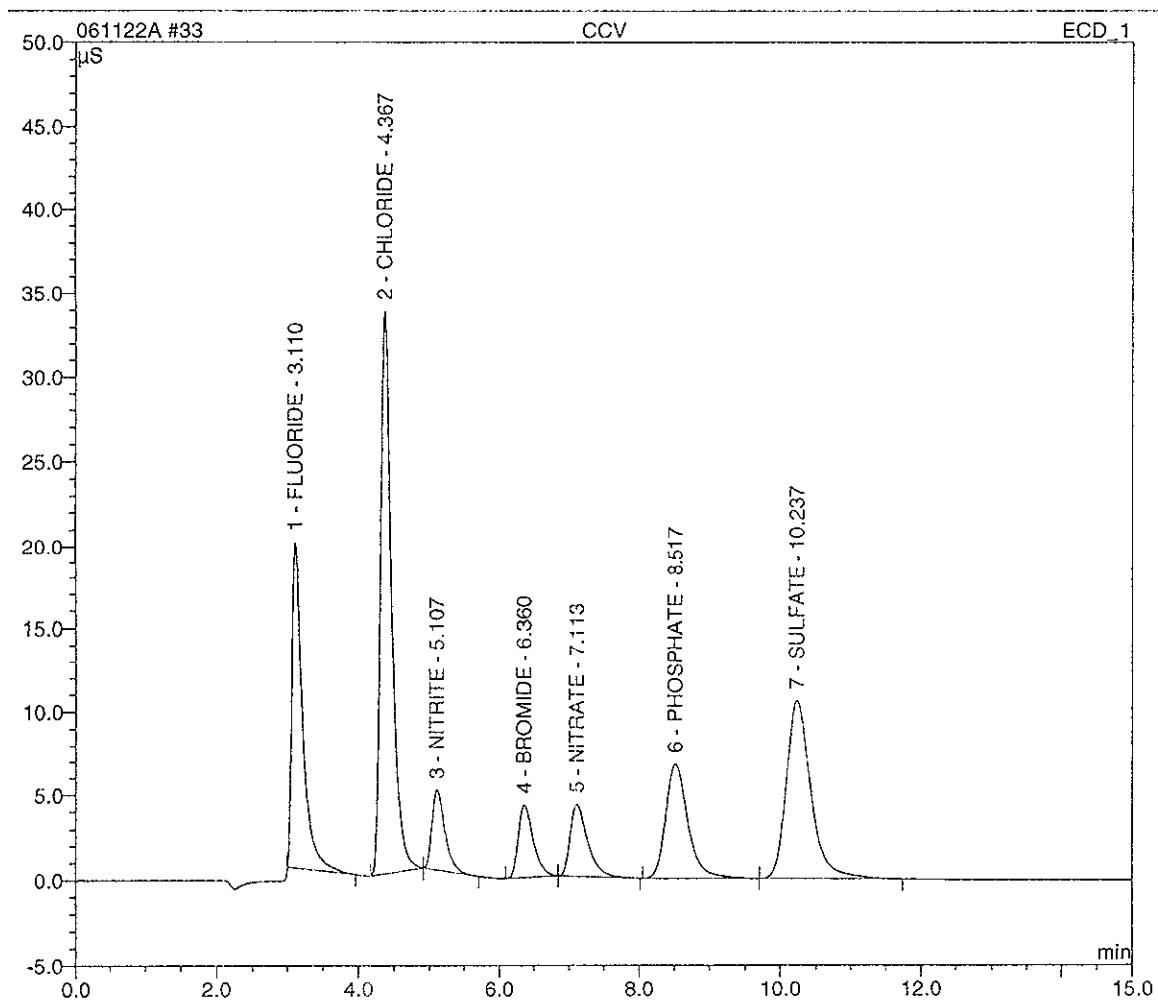
Sample Name:	CCB	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 13:19	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
		TOTAL:		0.00	0.00	0.00



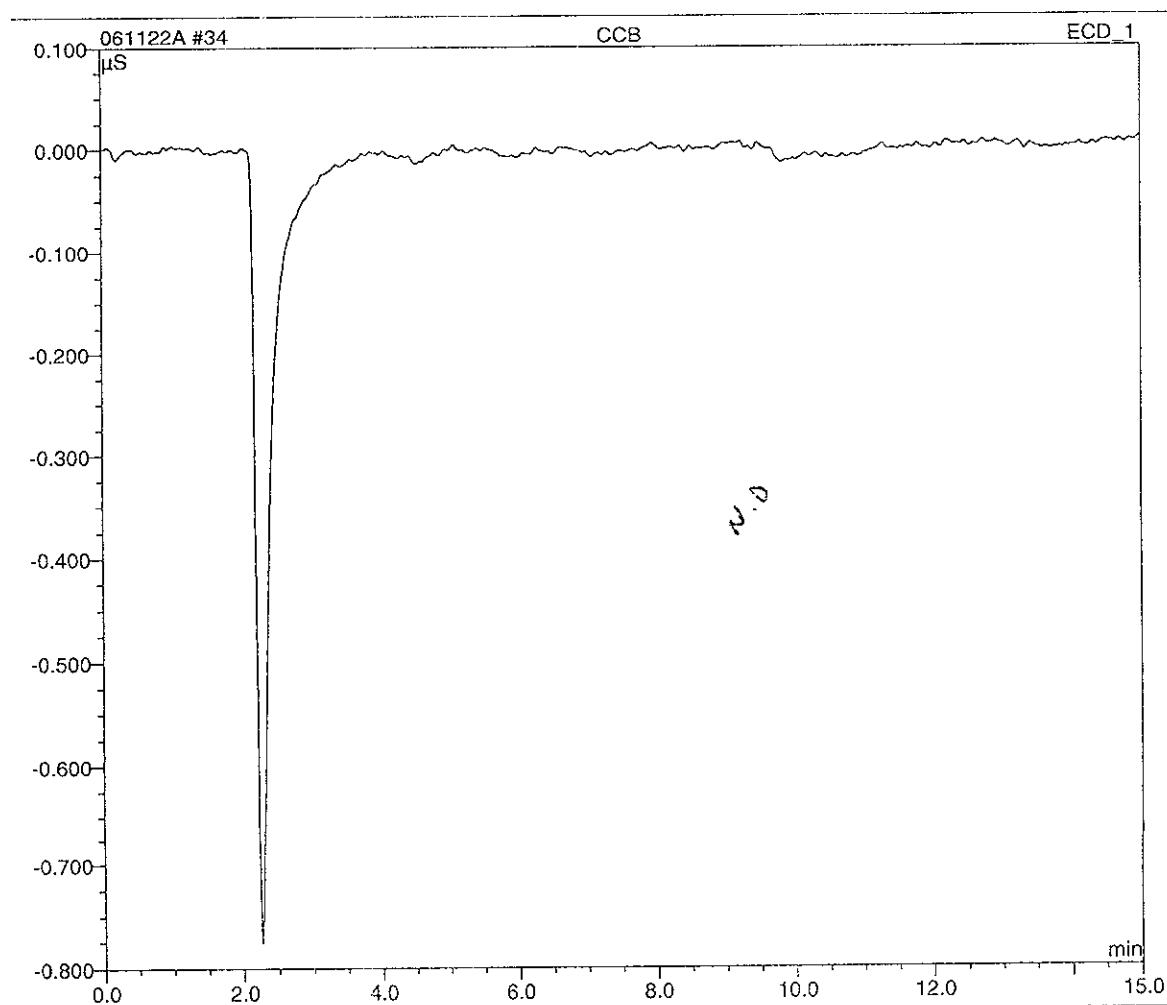
Sample Name:	CCV	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 16:31	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	3.395	19.551	25.1457
2	4.37	CHLORIDE	BMb	6.091	33.530	50.2857
3	5.11	NITRITE	bMB	1.018	4.701	4.8781
4	6.36	BROMIDE	BMb	1.067	4.257	24.2536
5	7.11	NITRATE	bMB	1.240	4.226	4.8929
6	8.52	PHOSPHATE	BMB	2.482	6.788	24.2085
7	10.24	SULFATE	BMB	4.246	10.586	49.7277
TOTAL:				19.54	83.64	183.39



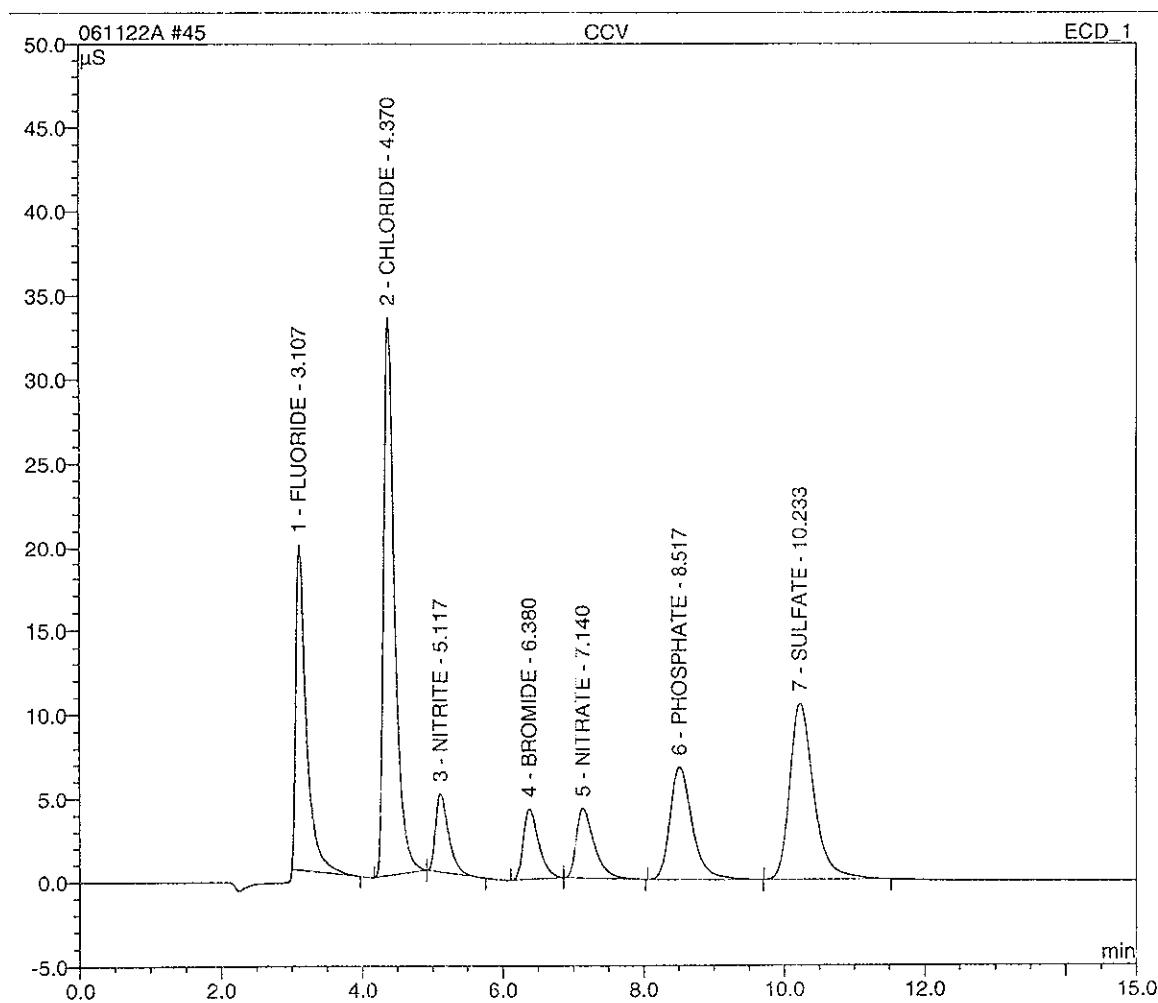
Sample Name:	CCB	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 16:49	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
		TOTAL:		0.00	0.00	0.00



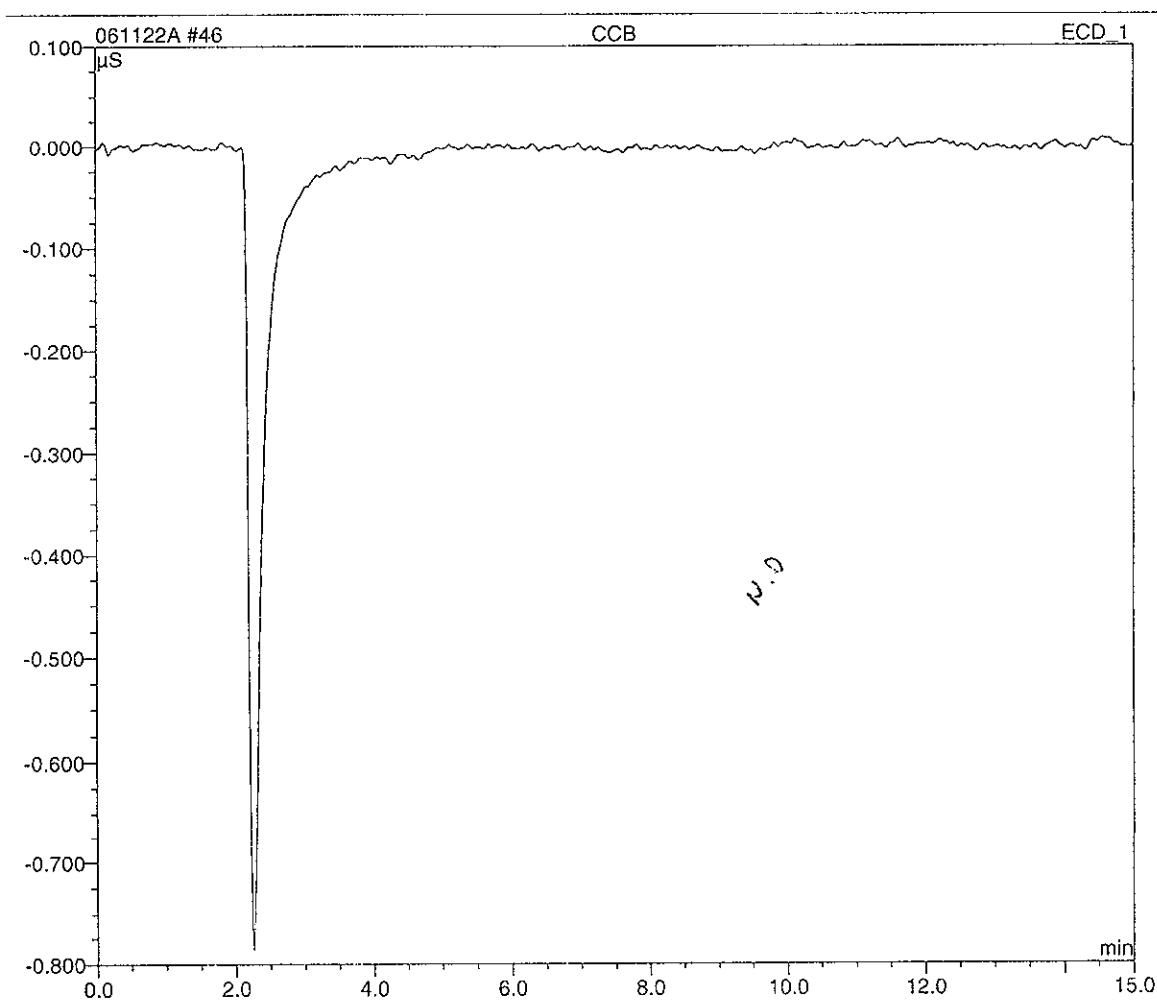
Sample Name:	CCV	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 20:01	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	3.391	19.470	25.1173
2	4.37	CHLORIDE	BMb	6.100	33.325	50.3536
3	5.12	NITRITE	bMB	1.023	4.686	4.9028
4	6.38	BROMIDE	BMb	1.067	4.226	24.2649
5	7.14	NITRATE	bMB	1.235	4.179	4.8739
6	8.52	PHOSPHATE	BMB	2.474	6.738	24.1247
7	10.23	SULFATE	BMB	4.210	10.525	49.3350
TOTAL:				19.50	83.15	182.97



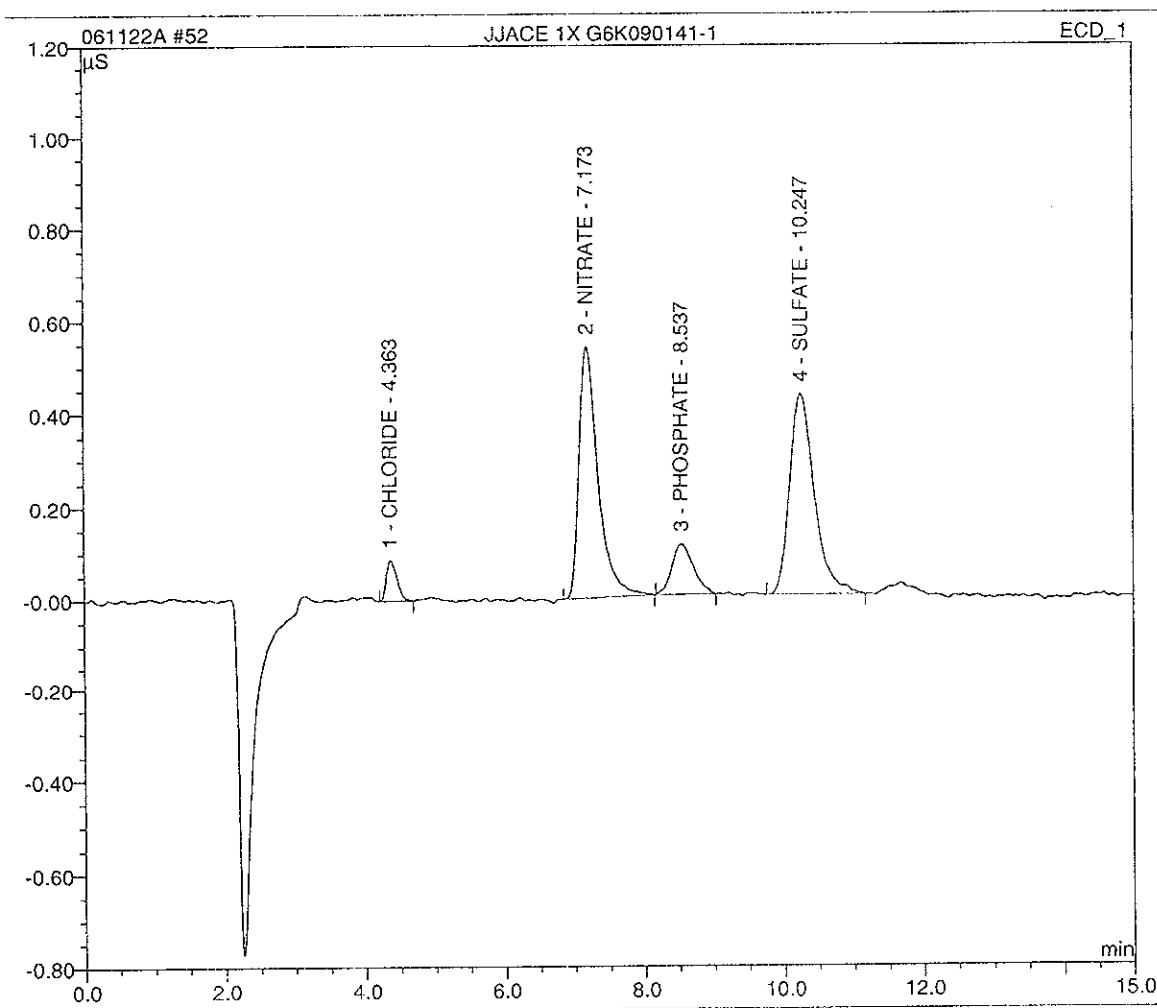
Sample Name:	CCB	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 20:19	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
		TOTAL:		0,00	0,00	0,00



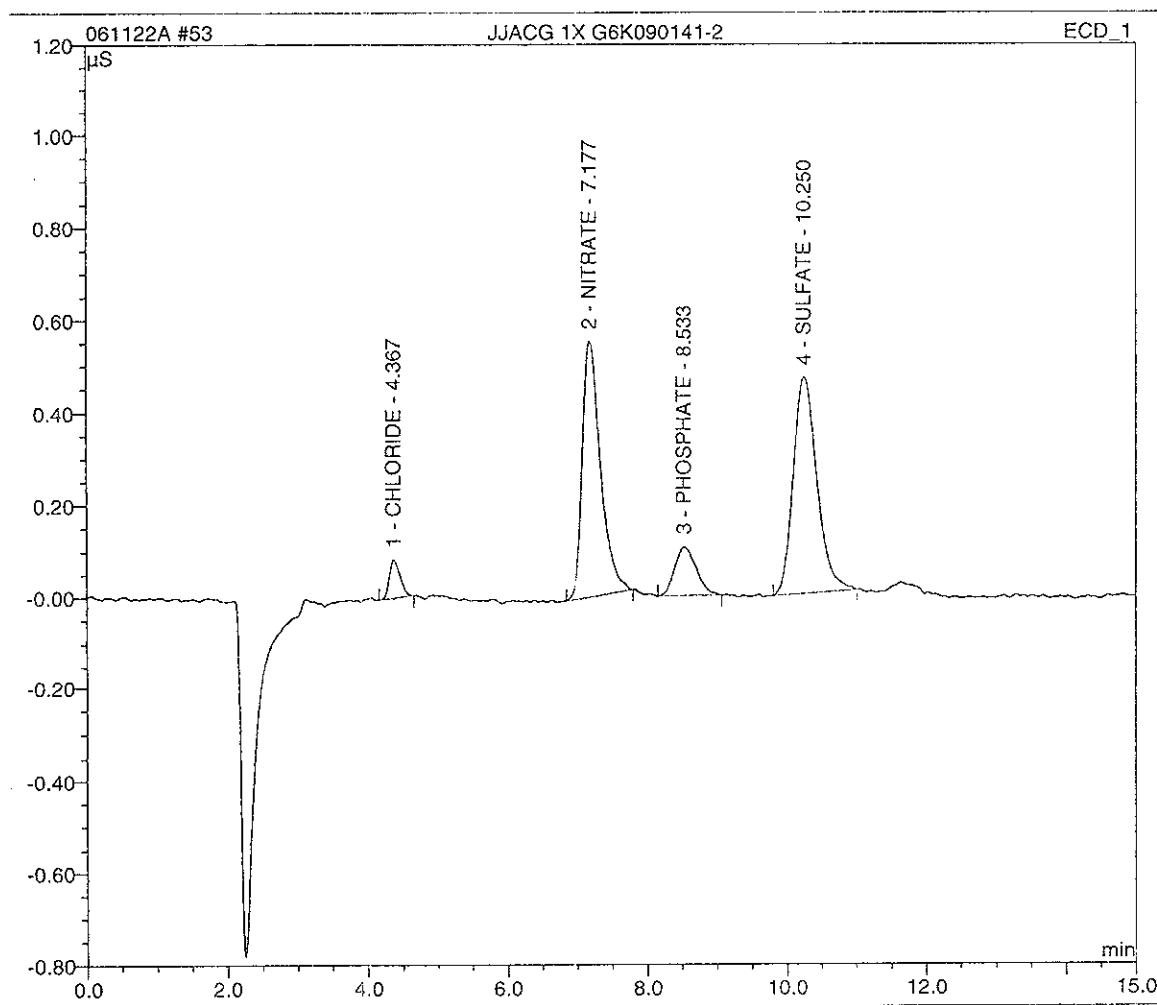
Sample Name:	JJACE 1X G6K090141-1	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 22:04	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	4.36	CHLORIDE	BMB	0.016	0.088	0.2298
2	7.17	NITRATE	BMB	0.171	0.541	0.6851
3	8.54	PHOSPHATE	BMB	0.039	0.109	0.4508
4	10.25	SULFATE	BMB	0.177	0.431	2.2909
		TOTAL:		0.40	1.17	3.66



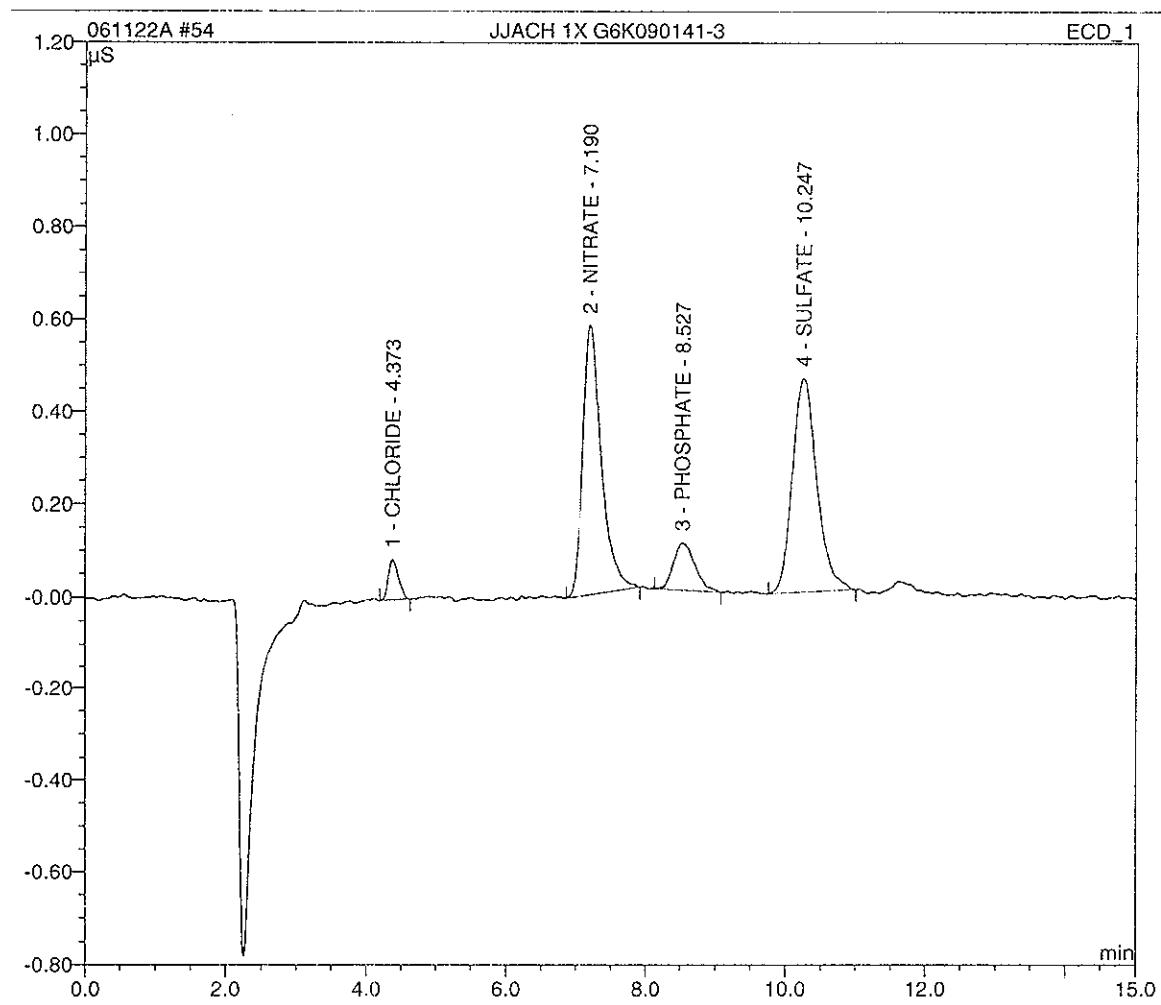
Sample Name:	JJACG 1X G6K090141-2	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 22:21	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
1	4.37	CHLORIDE	BMB	0.015	0.085	0.2235
2	7.18	NITRATE	BMB	0.168	0.554	0.6709
3	8.53	PHOSPHATE	BMB	0.038	0.107	0.4465
4	10.25	SULFATE	BMB	0.186	0.468	2.4119
		TOTAL:		0.41	1.21	3.75



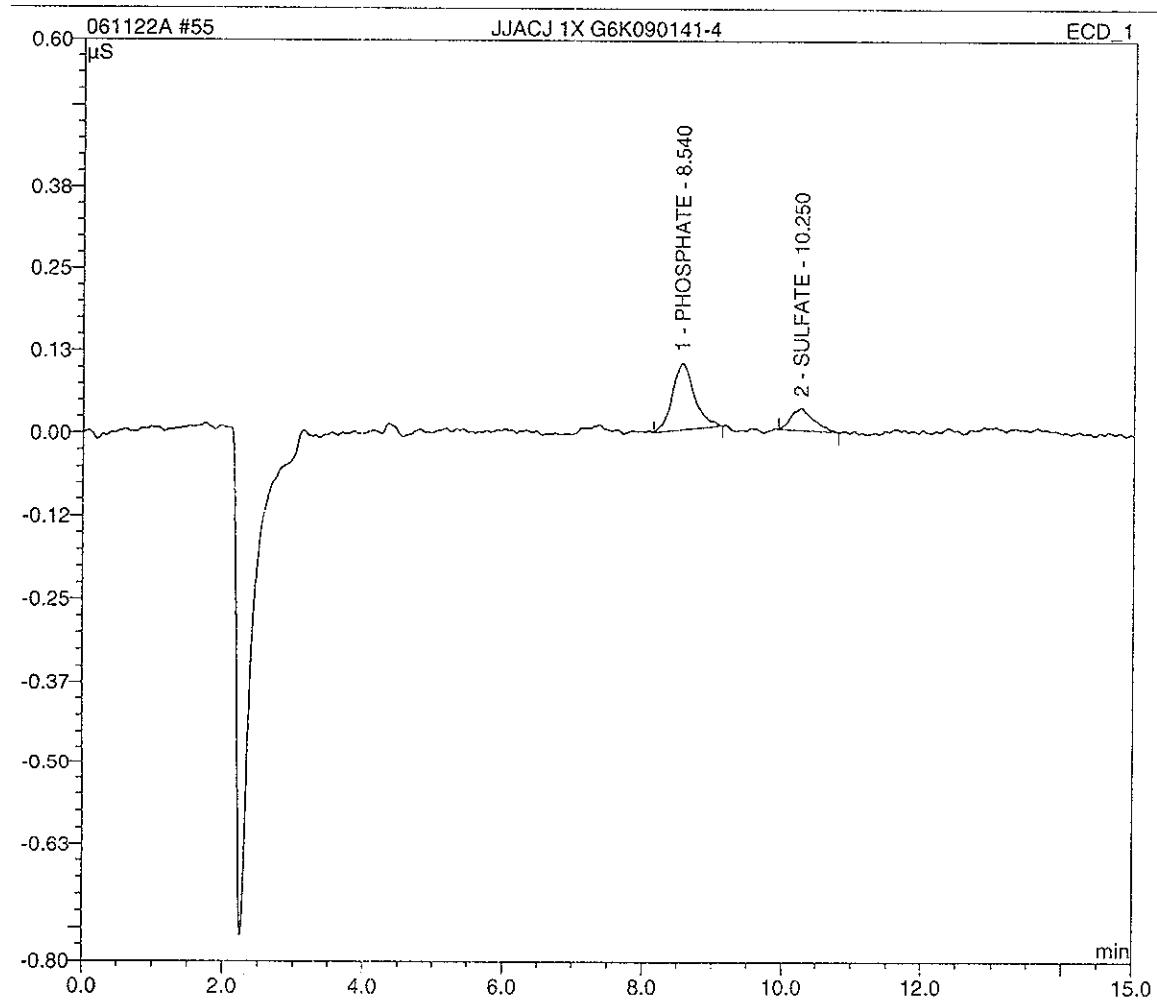
Sample Name:	JJACH 1X G6K090141-3	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 22:39	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	4.37	CHLORIDE	BMB	0.014	0.085	0.2162
2	7.19	NITRATE	BMB	0.180	0.580	0.7174
3	8.53	PHOSPHATE	BMB	0.036	0.100	0.4192
4	10.25	SULFATE	BMB	0.185	0.460	2.3956
		TOTAL:		0.41	1.22	3.75



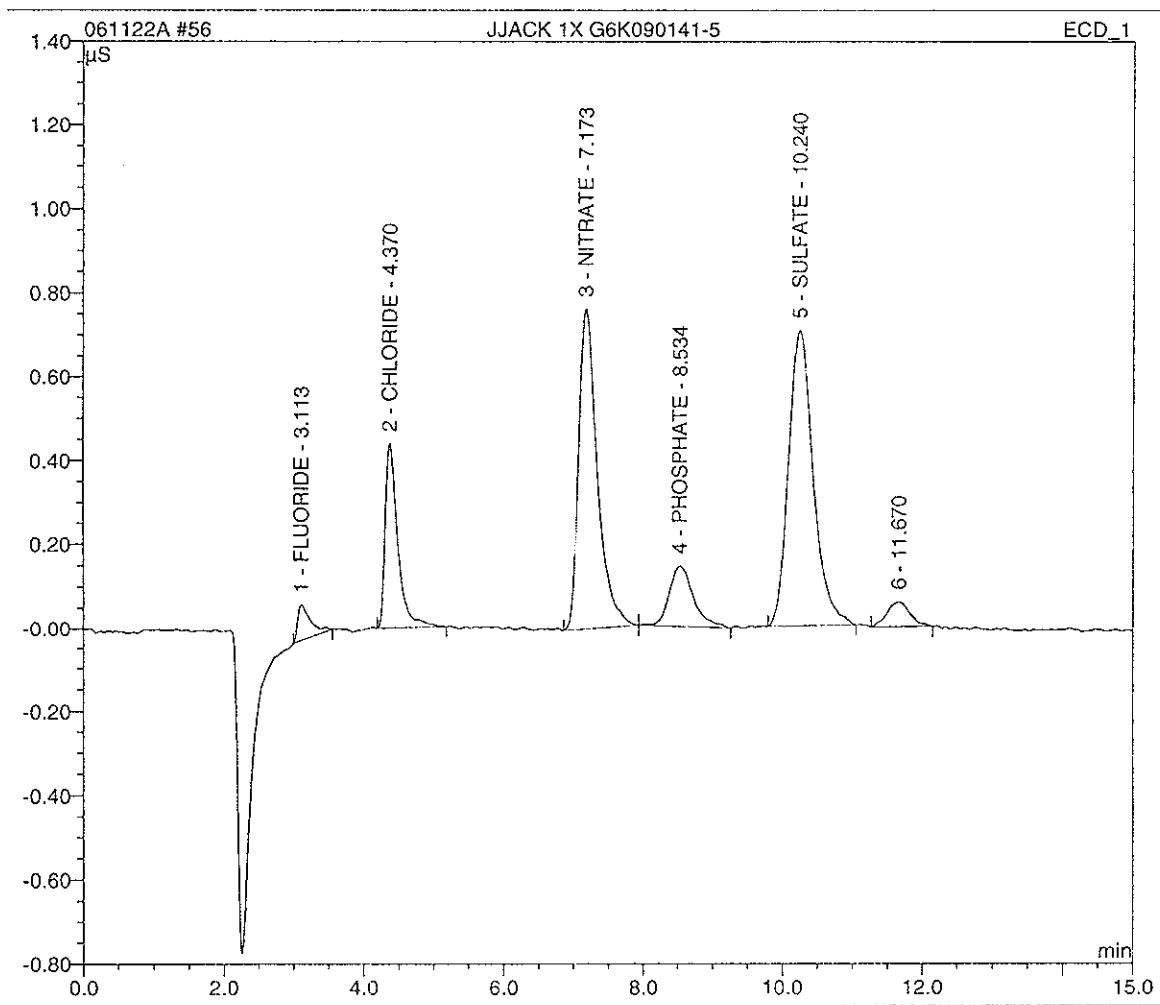
Sample Name:	JJACJ 1X G6K090141-4	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 22:56	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
1	8.54	PHOSPHATE	BMB	0.037	0.101	0.4345
2	10.25	SULFATE	BMB	0.013	0.034	0.2267
		TOTAL:		0.05	0.14	0.66



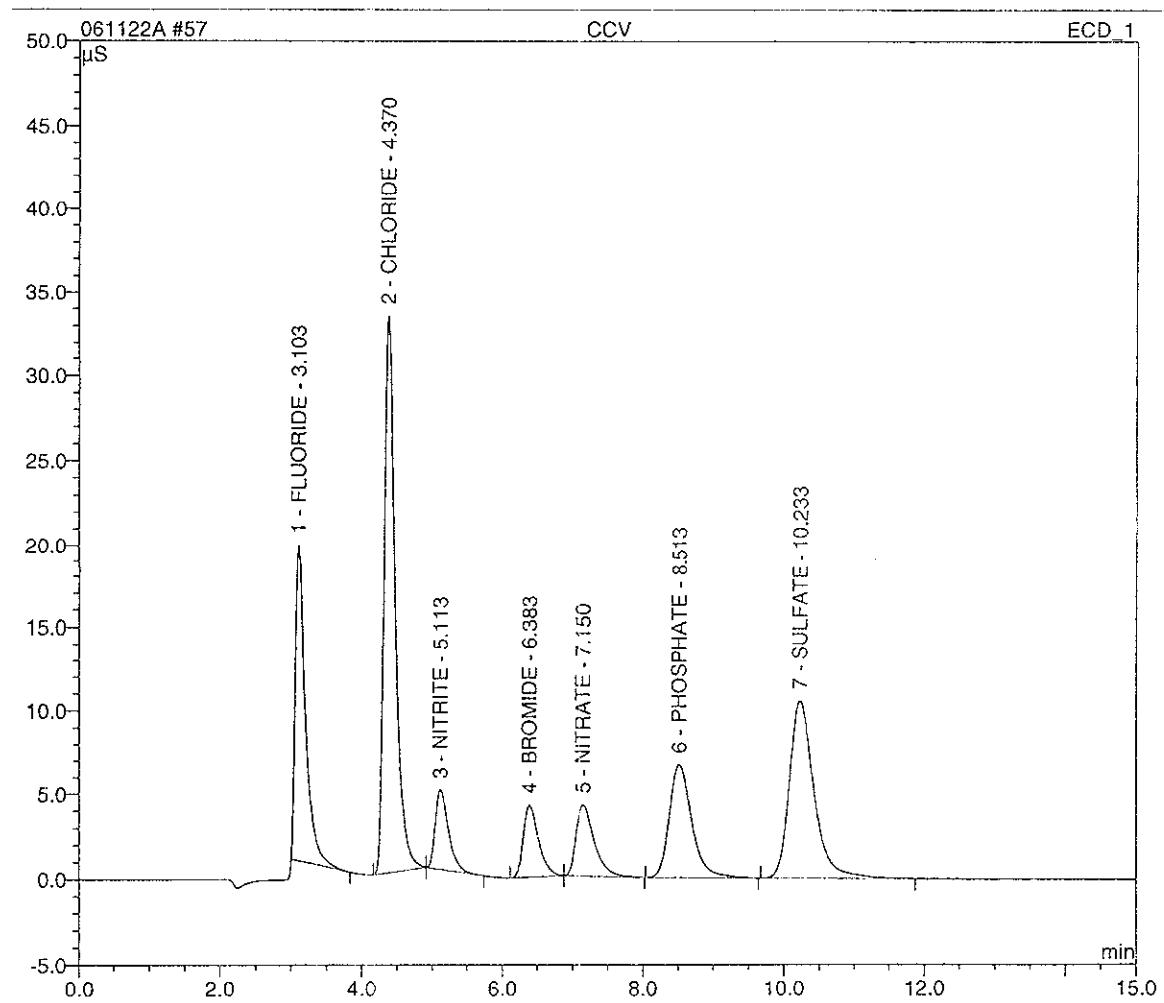
Sample Name:	JJACK 1X G6K090141-5	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 23:14	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	0.019	0.088	0.2078
2	4.37	CHLORIDE	BMB	0.092	0.438	0.9508
3	7.17	NITRATE	BMB	0.237	0.763	0.9436
4	8.53	PHOSPHATE	bMB	0.058	0.143	0.6402
5	10.24	SULFATE	BMB	0.287	0.703	3.6760
TOTAL:				0.69	2.14	6.42



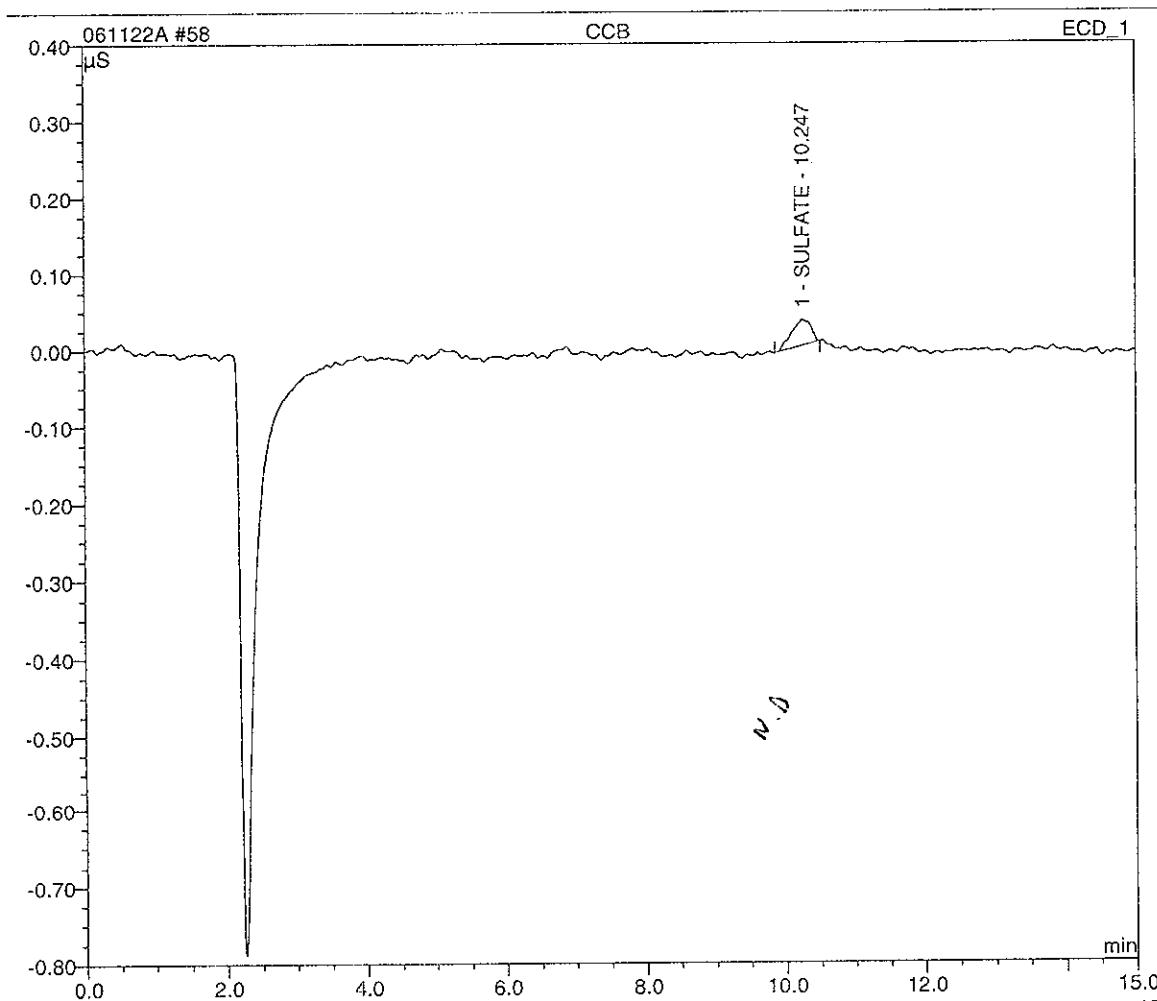
Sample Name:	CCV	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 23:31	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	%	Amount ppm
1	3.10	FLUORIDE	BMB	3.187	18.928	23.6059	
2	4.37	CHLORIDE	BMb	6.096	33.204	50.3218	
3	5.11	NITRITE	bMB	1.021	4.663	4.8944	
4	6.38	BROMIDE	BMb	1.075	4.213	24.4258	
5	7.15	NITRATE	bMB	1.248	4.177	4.9232	
6	8.51	PHOSPHATE	BMB	2.474	6.717	24.1282	
7	10.23	SULFATE	BMB	4.269	10.536	49.9761	
TOTAL:				19.37	82.44		182.28



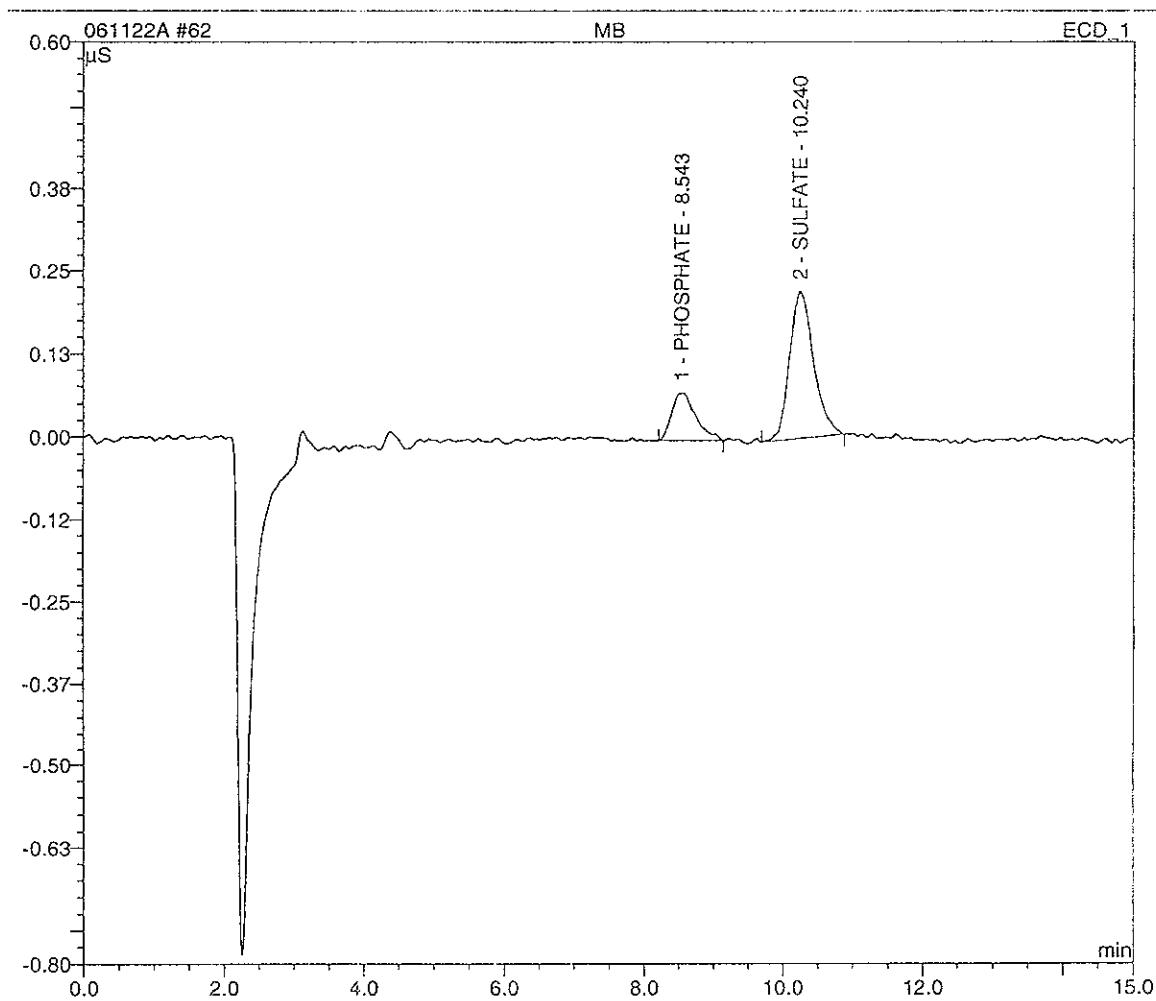
Sample Name:	CCB	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	22.11.06 23:49	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
1	10.25	SULFATE	BMB	0.011	0.034	0.1998
TOTAL:				0.01	0.03	0.20



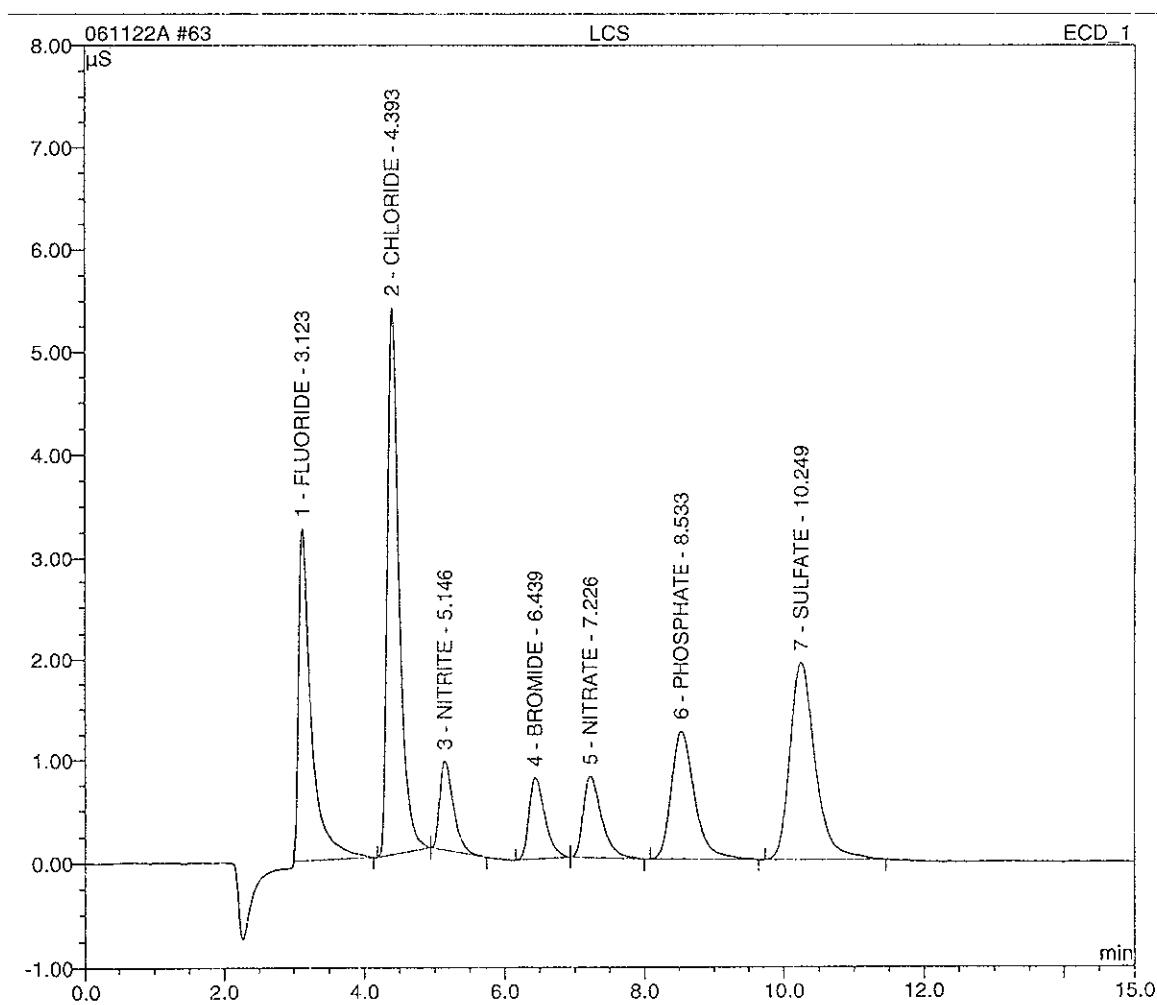
Sample Name:	MB	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	23.11.06 00:59	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	8.54	PHOSPHATE	BMB	0.029	0.071	0.3549
2	10.24	SULFATE	BMB	0.088	0.221	1.1785
TOTAL:				0.12	0.29	1.53



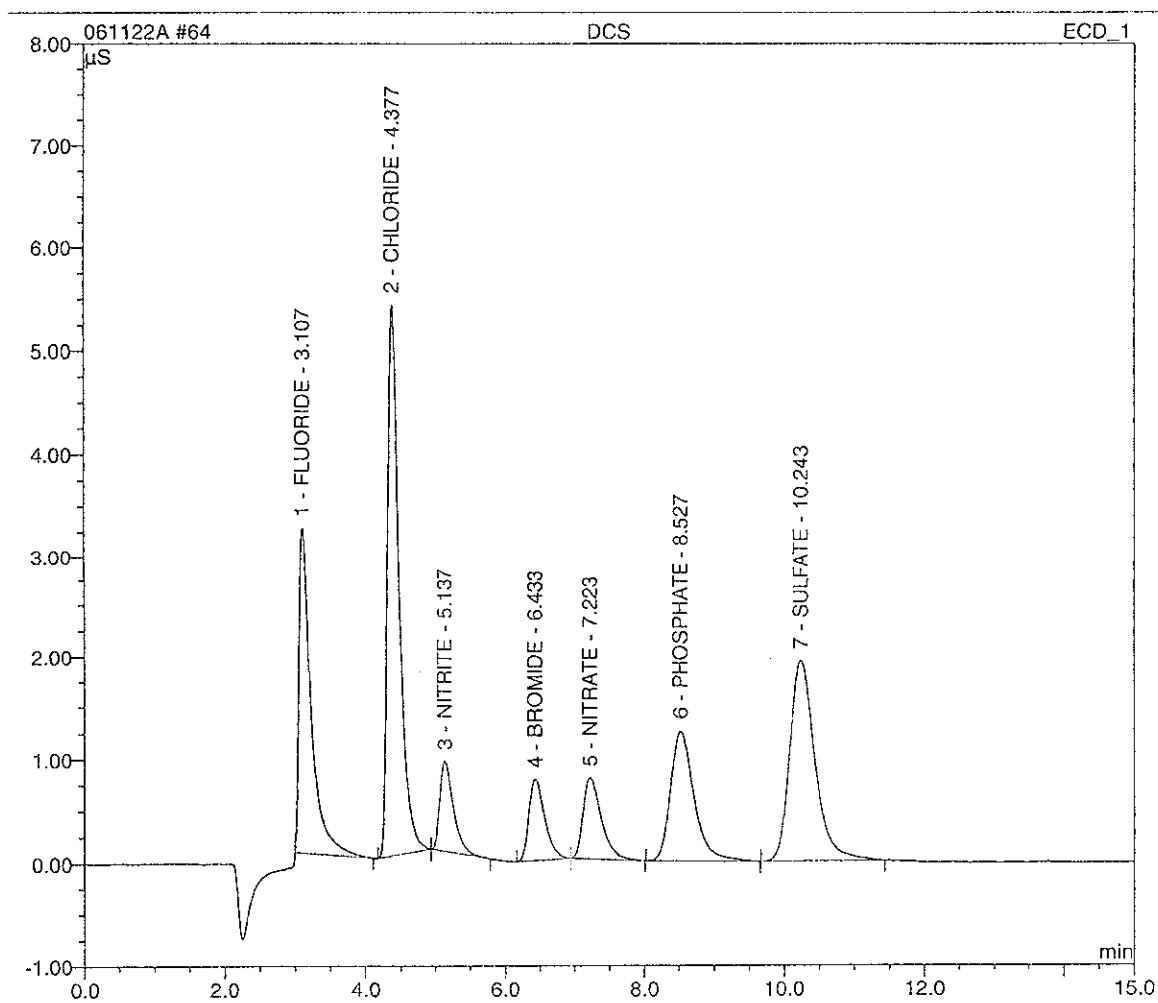
Sample Name:	LCS	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A.PROGRAM	Operator:	ounis
Inj. Date/Time:	23.11.06 01:16	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	%	Amount ppm
1	3.12	FLUORIDE	BMB	0.683	3.261		5.1110
2	4.39	CHLORIDE	BMB	1.037	5.351		9.6619
3	5.15	NITRITE	bMB	0.194	0.867		0.9625
4	6.44	BROMIDE	BMB	0.207	0.785		4.7432
5	7.23	NITRATE	bMB	0.240	0.787		0.9567
6	8.53	PHOSPHATE	BMB	0.485	1.250		4.7847
7	10.25	SULFATE	BMB	0.804	1.939	101	10.0836
TOTAL:				3.65	14.24		36.30



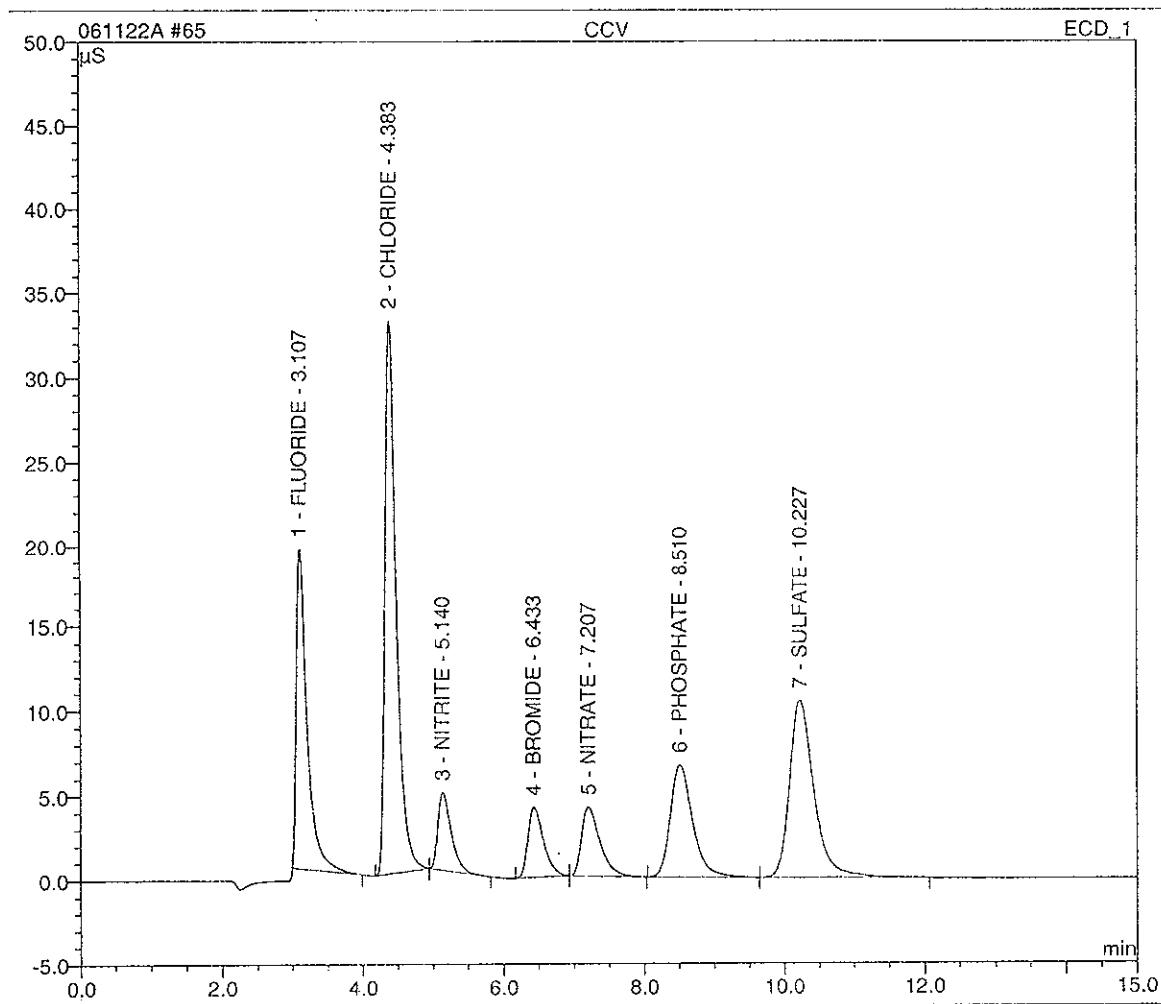
Sample Name:	DCS	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	23.11.06 01:34	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	0.635	3.185	4.7539
2	4.38	CHLORIDE	BMB	1.042	5.367	9.7025
3	5.14	NITRITE	bMB	0.198	0.867	0.9782
4	6.43	BROMIDE	BMB	0.207	0.780	4.7405
5	7.22	NITRATE	BMB	0.238	0.779	0.9482
6	8.53	PHOSPHATE	BMB	0.485	1.249	4.7883
7	10.24	SULFATE	BMB	0.808	1.942	10.1258
TOTAL:				3.61	14.17	36.04



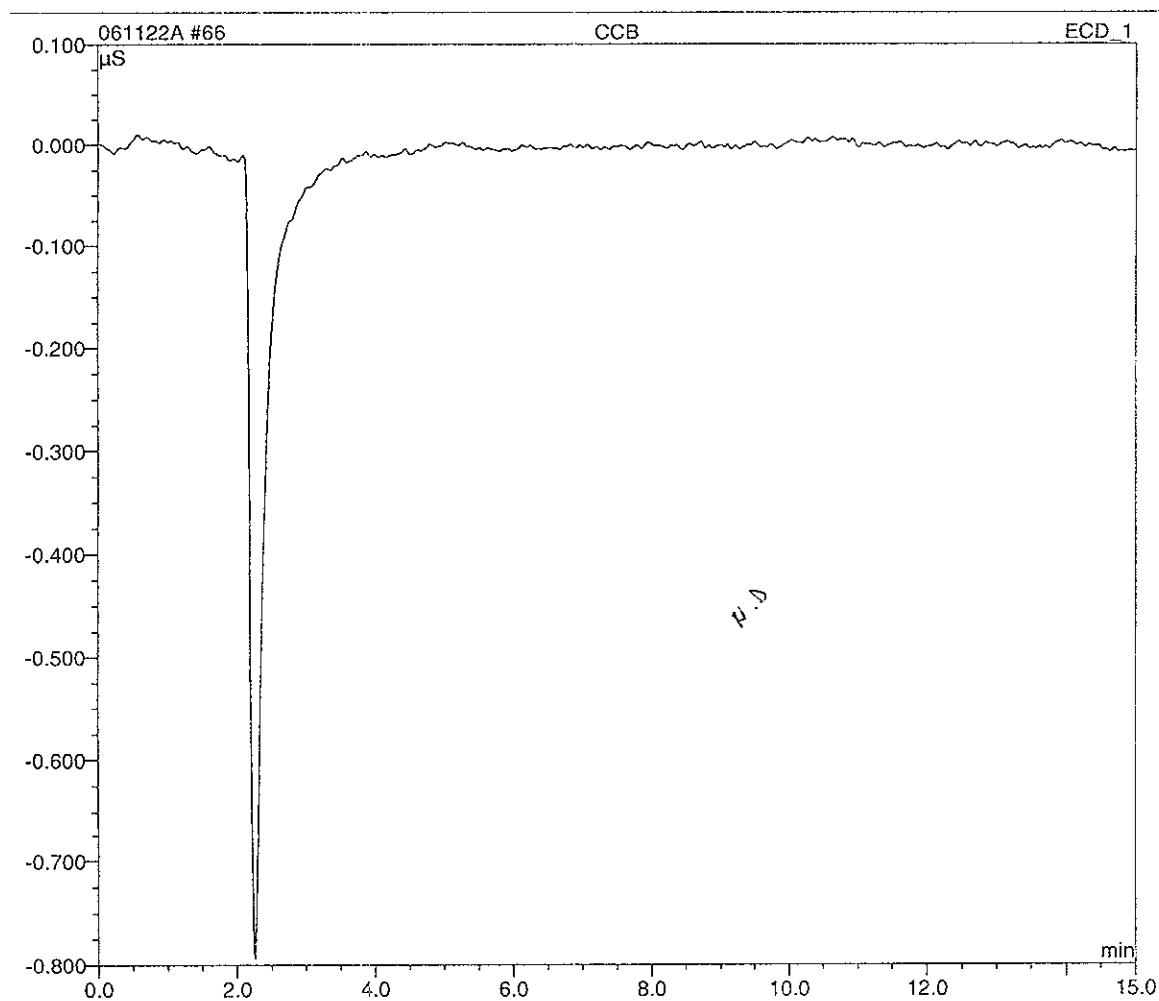
Sample Name:	CCV	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	23.11.06 01:51	Run Time:	15.00

No.	Time min	Peak Name	Type	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount ppm
1	3.11	FLUORIDE	BMB	3.389	19.182	25.0976
2	4.38	CHLORIDE	BMb	6.112	32.970	50.4407
3	5.14	NITRITE	bMB	1.023	4.622	4.9007
4	6.43	BROMIDE	BMb	1.074	4.166	24.4089
5	7.21	NITRATE	bMB	1.235	4.117	4.8736
6	8.51	PHOSPHATE	BMB	2.464	6.665	24.0281
7	10.23	SULFATE	BMB	4.270	10.474	49.9889
TOTAL:				19.57	82.20	183.74



Sample Name:	CCB	Inj. Vol.:	100.0
Sample Type:	unknown	Dilution Factor:	1.0000
Program:	AS14A PROGRAM	Operator:	ounis
Inj. Date/Time:	23.11.06 02:09	Run Time:	15.00

No.	Time min	Peak Name	Type	Area μS*min	Height μS	Amount ppm
		TOTAL:		0.00	0.00	0.00



AIR, PM-10 & TSP

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEET

Run Date: 11/16/06

Time: 18:24:46

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL <u>NUMBER</u>	SAMPLE <u>NUMBER</u>	RE-RUN <u>QC</u>	RE-RUN <u>MATRIX</u>	MISC <u>OTHER</u>	TOTAL <u>HOURS</u>	EXPANDED <u>DELIVERABLE</u>

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
 QC BATCH #: **6320641** INITIALS: **SV** DATA ENTRY:
 PREP DATE: 11/15/06 15:47 PREP **SV** INITIALS **SP**
 COMP DATE: 11/16/06 16:56 ANAL **SV** DATE **11/16/06**
 USER: VALMORES

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
✓UJACK-1-AA	G-6K090141-005	XX S 88 AO 3W	Y-D	11/16/06	P-0795

Control Limits

STL Sacramento
Air Toxics Laboratory



STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: 66K090141-5 Batch #: 6320641

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 11/16/06

ANALYST: B. Elmendorf

LEVEL 1 ANALYSIS REVIEW

1. Samples are in good condition.
2. Sample filter number matches the folder or petri ID number.
3. Desiccator temperature and % humidity criteria in control.
4. Balance calibration criteria met.
5. Beginning and ending calibration sample bracket weights are in calibration.
6. Samples reached stable weight.
7. Samples exceeded 5 consecutive final weighings.

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LEVEL 1 DATA REVIEW

1. Benchsheet is complete.
2. QAS or QAPP consulted and followed for client specifics.
3. Data entered in properly.
4. Copy of spreadsheet or logbook raw data entry attached to data package.
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Completed By & Date: BV 11/16/06

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.
2. Deviations, Anomalies, Holding times checked and approved.
3. Reanalysis documented and chemist notified.
4. Client specific criteria met.
5. Data entry checked and released in Quantims.
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Completed By & Date: BV 12/4/06

Comments: do 1B

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	5.0002	5.0002	5.0001	5.0001			-0.0001
JHQ8V	pmbc091906-786	091906skv0916	091906skv1551	111506skv1547	111606skv1653			0.0112
JHQ88	pmbc091906-787	091906skv0916	091906skv1552	110706skv1008	111506skv1547			0.0145
JHQ9A	pmbc091906-788	091906skv0917	091906skv1552	110706skv1008	111506skv1548			0.0346
JHQ9F	pmbc091906-789	091906skv0917	091906skv1552	110706skv1008	111506skv1548			0.0127
JJACE	pmbc091906-790	091906skv0918	091906skv1553	110706skv1009	111506skv1548			0.0190
JJACG	pmbc091906-791	091906skv0918	091906skv1553	111506skv1549	111606skv1654			0.0231
JJACH	pmbc091906-792	091906skv0919	091906skv1554				NC	
JJACJ	pmbc091906-793	091906skv0919	091906skv1554	111506skv1550	111606skv1654			0.0210
JJACK	pmbc091906-794	091906skv0919	091906skv1554	111506skv1550	111606skv1655			0.0000
JJACK	pmbc091906-795	091906skv0920	091906skv1555	111506skv1551	111606skv1655			0.0658
	5 g wt	5.0000	5.0004	4.9996	4.9998			-0.0006
	5 g wt	5.0000	5.0004	4.9998	5.0003			-0.0001

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch
6320641

Date 12/04/2006
Time 13:11:46

Method Code:AO Particulates in Air, Suspended "TSP HiVol" (APP B)
Analyst:Steve Valmores

Work Order	Result	Units	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Output	Dil.
JJACK-I-AA	0.0658	g	0.0001	.00	N		0.0658	0.0001

Notes:

TEST	TOTAL #	SAMPLE #	PRODUCTION QC #	TOTALS MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEETRun Date: 11/16/06
Time: 18:25:20

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL <u>NUMBER</u>	SAMPLE <u>NUMBER</u>	RE-RUN <u>QC</u>	RE-RUN <u>MATRIX</u>	MISC <u>NUMBER</u>	TOTAL <u>HOURS</u>	EXPANDED <u>DELIVERABLE</u>

METHOD: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)
 QC BATCH #: 6320637 INITIALS: DATA ENTRY:
 PREP DATE: 11/15/06 15:47 PREP SN INITIALS S
 COMP DATE: 11/16/06 16:56 ANAL SN DATE 11/16/06
 USER: VALMORES

Work Order	Lab Number	Structured Analysis	Exp. Del.	Analysis Date	Sample ID:
✓JJACE-1-AA	G-6K090141-001	XX S 88 JR 01	Y-D	11/16/06	P-0790
✓JJACG-1-AA	G-6K090141-002	XX S 88 JR 01	Y-D		P-0791
✓JJACH-1-AA	G-6K090141-003	XX S 88 JR 01	Y-D		P-0793
✓JJACJ-1-AA	G-6K090141-004	XX S 88 JR 01	Y-D		P-0794

Control Limits

STL Sacramento

Air Toxics Laboratory

SEVERN

TRENT

STL

KFW

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS: G6K090141-1 → 4 Batch #: 6320637

ANALYSIS: (circle) TSP/PM10 or METHOD 5

DATE: 11/16/06

ANALYST: S. Almores

LEVEL 1 ANALYSIS REVIEW

1. Samples are in good condition.
2. Sample filter number matches the folder or petri ID number.
3. Desiccator temperature and % humidity criteria in control.
4. Balance calibration criteria met.
5. Beginning and ending calibration sample bracket weights are in calibration.
6. Samples reached stable weight.
7. Samples exceeded 5 consecutive final weighings.

YES	NO	NA
✓		
✓		
✓		
✓		
✓		
✓		
✓		
		✓

LEVEL 1 DATA REVIEW

1. Benchsheet is complete.
2. QAS or QAPP consulted and followed for client specifics.
3. Data entered in properly.
4. Copy of spreadsheet or logbook raw data entry attached to data package.
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.

✓		
✓		
✓		
✓		
✓		

Completed By & Date: S. Almores 11/16/06

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.
2. Deviations, Anomalies, Holding times checked and approved.
3. Reanalysis documented and chemist notified.
4. Client specific criteria met.
5. Data entry checked and released in Quantims.
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

✓		
✓		
✓		
✓		
✓		

Completed By & Date: S. Almores 12/4/06

Comments: ✓ 1B

Severn Trent Laboratories
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	5.0002	5.0002	5.0001	5.0001			-0.0001
JHQ8V	pmbc091906-786	091906skv0916	091906skv1551	111506skv1547	111606skv1653			
JHQ88	pmbc091906-787	091906skv0916	091906skv1552	110706skv1008	111506skv1547			0.0112
JHQ9A	pmbc091906-788	091906skv0917	091906skv1552	110706skv1008	111506skv1547			0.0145
JHQ9F	pmbc091906-789	091906skv0917	091906skv1552	110706skv1008	111506skv1548			0.0346
JJACE	pmbc091906-790	091906skv0918	091906skv1553	110706skv1008	111506skv1548			0.0190
JJACG	pmbc091906-791	091906skv0918	091906skv1553	110706skv1009	111506skv1548			0.0127
JJACH	pmbc091906-792	091906skv0919	091906skv1554	111506skv1549	111606skv1654			0.0231
JJACJ	pmbc091906-793	091906skv0919	091906skv1554	111506skv1549	111606skv1654			NC
JJACK	pmbc091906-794	091906skv0919	091906skv1554	111506skv1550	111606skv1654			0.0210
JJACK	pmbc091906-795	091906skv0920	091906skv1555	111506skv1551	111606skv1655			0.0000
	5 g wt	5.0000	5.0004	4.9996	4.9998			-0.0006
	5 g wt	5.0000	5.0004	4.9998	5.0003			-0.0001

PDE115

Severn Trent Laboratories, Inc.
 Inorganics Batch Review
 QC Batch
6320637

Date 12/04/2006
 Time 13:03:40

Method Code:JR Particulate Matter as PM10 "PM10 Hivol" (CFR50-J)
 Analyst:Steve Valmores

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
JJACE-1-AA	0.0190	g	0.0001	11/15-11/16/06	.00	N	R	0.0190	0.0001	1.00
JJACG-1-AA	0.0231	g	0.0001	11/15-11/16/06	.00	N	R	0.0231	0.0001	1.00
JJACH-1-AA	0.0210	g	0.0001	11/15-11/16/06	.00	N	R	0.0210	0.0001	1.00
JJACJ-1-AA	ND	g	0.0001	11/15-11/16/06	.00	N	R	ND	0.0001	1.00

Notes: